



ADVANCED STUDY ABROAD

EDUCATIONAL OPPORTUNITIES FOR STUDENTS
ASPIRING TO STUDY ABROAD AND FOR
THEIR ACADEMIC COUNSELLORS



UNIVERSITY OF CALCUTTA
1969



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Edited by

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GUIDANCE BUREAU,



UNIVERSITY OF CALCUTTA
1971

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A book like this needs to be revised every 2 or 3 years in order that the information be kept up to date.

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UNIVERSITY OF CALCUTTA



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SENATE HOUSE
CALCUTTA
August 29, 1968

FOREWORD

The vast majority of students who wish to go abroad for advanced study need guidance, advice and academic counselling. This book, the first of its kind ever published by the academic world in India has made an attempt to give useful information which students require most before planning to go abroad.

Mr. M. M. Raychaudhuri, the head of Students Advisory Services of the University of Calcutta, has been for a long time conscious of the many difficulties and problems the students have to face, and he has done his best to provide useful information to enable them to meet these difficulties.

It supplies helpful information of all the English speaking and important Non-English speaking Countries of the world with regard to their educational system of the Universities and Institutions of higher education and courses available, procedure for applications, Government, People, foreign exchange regulations and other formalities.

It has involved heavy work and a great deal of time, energy and knowledge to bring out a publication like this.

I congratulate Mr. Raychaudhuri for producing this helpful book and I hope it would prove useful to the students, parents, educational advisers, university teachers, guidance counsellors, etc., for whom it is primarily intended.

S. N. SEN,
Vice-Chancellor.

INTRODUCTION

For students studying abroad, away from their own country is the main problem of adapting themselves to a strange environment, society, dress, food, climate, manners and customs, language and so forth.

The majority of students pay their own way or are financed by their families, who may make sacrifices to send a son or a daughter abroad to study. Students must plan their budgets with sufficient care. The effects on health and studies resulting from financial anxiety may be serious.

A large number of students of our Country go abroad every year for advanced studies, research or training to various Universities or Institutes of higher learning of the world but more in particular to countries like U.S.A., U.K., West Germany, Canada, Australia, France, Switzerland, etc. This book covers only the countries of the world where most of our students prefer to go.

The majority of students aspiring to study at higher level in foreign advanced countries faces a good deal of problems and difficulties owing to lack of proper academic counselling or advice or guidance and as a result a good number of them ultimately come out unsuccessful in getting offer of places.

Only a few fortunate students, scholars or others who are offered Fellowships or Scholarships or Assistanceships, which normally cover the cost of travel, maintenance, tuition and other expenses, from either foreign Universities or agencies and from Public or Private Organizations at home, have their difficulties and other formalities for going abroad usually met by sponsoring authorities.

The bulk of the students who go abroad on their own for higher studies face difficulties most with regard to selection or choice of courses, where they are available, how to approach the Universities or Institutions, whether foreign exchange will be available for the courses they want to do abroad according to the present foreign exchange rules, the academic performance necessary for the release of foreign exchange, travel documents like passport, visa and so on.

So far we do not have any book or academic publication by any University in the Country which can give useful and necessary information to students desirous of going abroad for higher studies or research.

In order to remove a long felt want in the fields of information of overseas studies, the head of Calcutta University's Students Advisory services and University Employment Information and Guidance Bureau is publishing this useful information handbook—"ADVANCED STUDY ABROAD." It gives the facilities for educational opportunities abroad and it is helpful to students going abroad for advanced studies.

Perhaps it will not be out of place to say here something about our Students' Advisory Bureau (Overseas) for the benefit of the students community and others interested in advanced education abroad.

Students' Advisory Bureau (Overseas) of Calcutta University is the first of its kind in India and was established as far back as 1926.

It offers academic counselling, supplies information about higher education available abroad, screens and processes applications of qualified students



not only of this University but of all the neighbouring Universities and States and recommends suitable and eligible candidates according to the present foreign exchange rules to our foreign Missions and secures admission for them.

It maintains up-to-date information Library of foreign Universities and Institutions, also supplies information of Scholarships, Fellowships, Assistance-ships, etc. available in foreign advanced countries for the students going there for advanced education or training.

It issues certificates which helps students to get Passports, Foreign Exchange and other travel documents and maintains liaison with related agencies. It arranges Orientation and Introduction Courses for students selected for admission in various Universities and Institutions abroad, and for foreign students who come to India (eastern region) for higher studies. Arrangements for reception and temporary accommodation on arrival in foreign country are also made in advance.

It also does studies or research and counsels students generally and helps them in their adjustment and even looks to their personal problems, as far as possible.

It is extremely gratifying to say that the Ministry of Education of India after making an inspection of all Students Advisory Services in Indian Universities, have been so much impressed with our work that they have declared our Students Advisory Services as a 'Model' to all other Universities in India and that is why the First National Seminar of the Indian Universities' Students Advisory Services, sponsored by the Union Education Ministry was held at Calcutta University from 8th to 13th February, 1965.

Let me quote what Dr. B. Malik, our former Vice-Chancellor said about our Students Advisory Services in his Convocation Address on January 20, 1965:

"It is good to note that students from the Calcutta University in increasing numbers are pursuing their further studies in the Universities of other Countries. Our students Advisory Bureau during the year received 300 applications from students for overseas study, and 175 students were offered admission. There is satisfaction in knowing that this Bureau offers advisory service not only to students of this University, but to neighbouring Universities as well. The University of Calcutta is pleased to work co-operatively with students of sister institutions in this manner. It is gratifying, too, that the Ministry of Education, Government of India, have been so pleased by the work of our Bureau that they have expressed a desire to hold Seminar at Calcutta University, to be attended by heads of similar services in other Universities."

Students should not go abroad for studies for which adequate facilities are available here at home. They should also continue their studies at home to the fullest extent so as to reduce the duration of their stay in foreign Countries to the minimum. They must first decide the country they want to go to and select the course they want to do on the basis of their previous academic background and also to undertake courses, as they are eligible, according to the needs of our country. They will have the greatest advantage from their studies abroad when they are matured enough to take advantage of such studies. Students must complete their first degree courses in India before going abroad study.



Owing to foreign exchange crisis, there is restriction, at the present for the release of foreign exchange for study abroad. No student or scholar will be allowed to go abroad to study subjects like Hindi, Sanskrit, Bengali and so on for which there are adequate facilities for higher learning in India or courses banned by the Union Government.

Then again students securing at least 60% marks in aggregate in their last examination passed at home are only eligible to go abroad for higher studies and only a restricted few with less than 60% marks may be allowed to go abroad for study for other consideration.

A student or scholar, as a rule, is to contact the University last attended by him or her or the nearest University for details of information, application forms, etc., and for useful and valuable advice by University authorities. Students are advised to apply to more than one University as they may not be successful in getting offer of a place in a particular course because of keen competition for places by native and foreign students. Admission is offered by a foreign institution on a careful scrutiny of a student's previous academic performances.

We cater to the needs of students of far away Universities in the country provided they reside or work in West Bengal. We receive entreaties from the far ends of the country to accept their applications as they do not receive the necessary facilities from their own Universities and we accept their applications, most gladly if they have got the required admission qualifications for courses they want to do.

Lack on knowledge of languages spoken in other countries barring perhaps English is the greatest problem in the advancement of learning. Most of our students prefer to go to English-speaking countries like, the U.S.A., the U.K., Canada or even Australia. And this is why we would like to start with the English-speaking countries first.

Our students learn the languages of foreign countries first before they go there for advanced studies. And as for English, several kind of English are spoken all over the world and even if one of our students English is good, English people cannot understand him sometimes because he has a different intonation and stress. In fact, if our students are not proficient in English, they will get nowhere. They can improve by listening to educated English people or through English lessons.

Soon after I got back home after completing studies abroad, I joined the Calcutta University. I have been the Head of the Students Advisory services here for more than a decade and any one in my position will undoubtedly agree how he is faced daily with various academic and non-academic problems of University students.

I sincerely hope that this guide will prove useful and serve the students, teachers or scholars who are planning to study or to do research in the Universities or Institutes of higher learning abroad. It is also a very helpful and valuable hand-book for academic Advisors or Counsellors.

I am grateful for the assistance I have received from the representatives of foreign countries in India in producing this book.

Senate House,
Calcutta—12
27th August, 1968.

M. M. RAYCHAUDHURI

ENGLISH SPEAKING COUNTRIES

AMERICA

United States of America (U.S.A.)



GENERAL INFORMATION

Federation of 52 States including Puerto Rico now united together makes the United States of America.

Alaska may be taken out of the States. The Pacific Ocean is on the West and the Atlantic Ocean on the east. Hawaii is an island state in the Pacific Ocean.

America is a very prosperous country both from the view points of Agriculture and Manufacturing Industries. It is perhaps the richest country of the world and highly developed and it helps poor countries and other developing countries with money and food and in various other ways.

American Universities themselves contribute the largest number of Scholarships or Fellowships or Assistantships to graduate students including overseas students.

The United States of America is a large country and has different climate and various kinds of land and people. There are deep green forests in the mountainous areas of the north-east and these areas get more than 100 inches of rain every year. The south-west is very dry and this area gets less than 5 inches of rain each year.

There are lakes, mountains covered with snows, meadows with brooks and trees, sea cliffs, sandy sea beaches with sun shine, grape vines and so on. A tourist moving from one part to another part of the country (A train takes a minute to cover a mile) will no doubt find some parts of America resembling his own home country.

U.S.A. is a federation of 48 (now 52) States and each state has its own legislature, executive and judiciary. They are extremely different in form but each is a Republic. U.S.A. has a written constitution and is the oldest and unchanged system of Government in the World. The Federal (Central) Government is responsible for the defence, foreign affairs and domestic affairs. The President of America is very powerful and a lot of power is given to him. He also serves as the Commander-in-Chief of the Military Forces.

Responsibility for education is vested in the States (individual), and English is the Official language of the country. Educational policies and methods are not uniform in American Universities and Colleges.

Universities and Colleges in the United States are run by public and private organisations or by religious denominations and obviously the Universities differ in their requirements for admission assessing a student's past academic performance for doing a particular course, particularly of foreign students.

A foreign student is, therefore, required for admission to apply directly to a University in the United States. His home University, or local USIS of course, may help him with a preliminary application form for admission and other valuable advice and useful information of American Universities and Colleges, since admission is very much competitive, it may be required for a foreign student to apply to at least 2 or 3 Universities simultaneously, and long in advance preferably a year before the course begins. Some Universities have fixed dates to receive applications for admission.



English is the medium of instruction. Academic session begins in end September or even early October and ends in May or June. Usually there is a 2 week holiday in December. In summer provision is usually made for a student to work for credit.

A University in America usually have Arts and Sciences departments providing a 4-year course leading to the under-graduate programme (first degree A.B. or B.S.), and graduate courses leading to post-graduate degrees (A.M. or S.M., and Ph.D.) as well as professional courses like Law, Medicine, Social Sciences, etc. Some big Universities have various other courses as well—subjects requiring laboratory work or research papers.

An American University awards the bachelor's degree (the first degree A.B. or B.S.) after 4 years of under-graduate study and successful completion of all requirements. The first two years are usually spent in general studies and the latter two years in the field of specialization and termed as the major.

The system of grades (A to F) is generally in use. A 'B' average is usually required to do graduate work (post-graduate study). One to two years of work (post-graduate study) is necessary beyond the bachelor's degree to earn the master's degree (A.M. or M.S.). A minimum of two more years graduate study (post-graduate work) after obtaining the masters degree is necessary for the award of the degree of doctor of philosophy (Ph.D.). Ph.D. work demands research work or a dissertation, an oral and written examination. Further higher research work with more years of study leads to the degree of Sc.D. or D.Litt., etc. A lot of students take more than the usual period to complete the requirements of these higher degrees. There is no age limit for entry to a University in the United States for doing either under-graduate or post-graduate study.

University education in the United States is based to teaching, class discussion, independent research in the library or laboratory, weekly or bi-weekly short test (quiz) so as to prepare students to think and work for themselves rather than testing their ability and progress through examinations based on memorising ability and on reproducing text-book learning. Teachers in American Universities and Colleges are always eager to help foreign students adjust themselves to academic life.

An American student after having completed approximately 12 years of education at school and a foreign student after schooling and one or two years of College (University) education at home may get an entry to under-graduate course (first degree) of an American University. Some Universities arrange for a foreign student to pass an entrance examination. For admission to graduate course (post-graduate course) a foreign student must have obtained a bachelor's degree or a master's degree with high record of academic performance and specialization in a particular field. A B.Sc. is demanded from a foreign student seeking admission to under-graduate study in Engineering. It is difficult, now a days, to gain a place in an American University particularly for post-graduate study unless a foreign student is one of the best students. Admission of a foreign student in the United States Universities and Colleges in any faculty is based between the student and the institution concerned on evaluation of previous academic attainments. A student is to apply with the transcripts (official academic records/detailed mark-sheets) for admission. Large American Universities have a Foreign Student Adviser to aid and look to the welfare and problems of foreign students.



An estimated average expenditure for a foreign student in America would come to about 3,500 dollars per annum considering the present high standard of living and high tuition fees.

There are a wide range of social and recreational activities and sports and games in all Universities.

Some American Universities offer a good number of Scholarships, Fellowships or Assistantships to foreign students of outstanding ability for graduate (post-graduate) and research work.

There are different types of accommodation for students in the United States. The cost of a room and board or College dormitories (student hostels) and incidental expenses as well as tuition fees varies to a great extent depending on the University/College and its location.

The Dormitory, International House (both available at most University Campus), and student co-operative House are probably the least expensive and the most desirable. Accommodation is also available in Y.M.C.A. and Y.W.C.A. There are other types of accommodation such as boarding Houses, rooms with families, private apartments, etc.

Rooms are usually furnished and some times the student is expected to provide his own linens, towels and blankets.

In case of living in room with a family (Land lady) if you agree to help her with dishes or washing dishes or any other services which she may require, like baby-sitting (for girl students), etc., you can get your accommodation and boarding free. American University foreign student adviser will help you find accommodation. It is advisable that you arrange for your stay in America immediately after you are offered a place in a University or College. Students usually have lunches in College Canteens run by students, small eating houses outside the University campus and snack bars for cheap and quick service. Foreign students planning to study in the United States think there are a lot of opportunities for doing part-time work. But they are completely misunderstood. Overseas students on a student Visa in America are not permitted by U.S. immigration regulations to do work. Permission for employment must be obtained from the U.S. immigration office by the University for the student. Work permit is rarely granted to a student doing his first term of enrolment. Even with work permit no student either an American or a foreign student can hope to earn from a quarter to a third of his total expenses if he is fortunate enough to get a job since there are more students seeking employment (part-time) compared to jobs available. Then again to do part-time work means students would take more time to complete their studies than the usual period.

Most American Universities have Employment Bureaux which help students find jobs but there is no assurance that a part-time job can be secured except employment during summer vacation (June to September).

United States industrial and commercial organizations do not accept persons from overseas for apprenticeship training because of U.S. immigration and labour laws and labour union regulations.

Foreign medical graduates with the M.B.B.S. degree are usually accepted as interns or residents in American Hospitals provided they pass the American Qualification Examination conducted by the Educational Council for Foreign Medical Graduates, 1633 Central Street, Evanston, Illinois, U.S.A. Examinations are usually held twice overseas in September/October and March/April. Details from ECFMG.

The climate varies in the United States. It is very cold in Winter in the northern area and the temperature comes down to even below zero Fahrenheit and there is deep snow from November to early March. Classrooms and hostels in the Universities, Colleges and Schools, private buildings, Buses, Trains, etc., are heated in cold weather. Students going to the States are well advised not to make or buy all their warm clothing from their own countries since they are cheaper and good in quality and more over tailored according to current fashion in America. It is pretty warm in the United States during the summer months and you will do well to take some cotton or light clothing or wear with you before departure.

It is advisable to go in for shopping in the departmental stores of America. Almost everything is available there and prices are fixed. Things are cheaper and good in quality. Ready-made wears or clothes are nice and can be altered according to your measurement and without any extra charges or with negligible charges. Shopping in the basement of departmental stores is cheaper still. Students can save by shopping at the University store run by student co-operative enterprise. Books and other necessities are available there.

There are a number of banks. Students would do well to open bank accounts for the safety of their money. They can withdraw easily even daily according to their needs from their bank accounts.

As for transport most cities in the United States have Street Cars (Buses), taxis, city trains (underground or subways as they are commonly known), elevators (on surface), modern trains that take a minute to cover a mile and planes. Americans very often travel from one part of the country to another. Bus travel is cheaper and transfer tickets are available.

Food is plenty in the States and they are cheap. There are a number of hotels, restaurants, cafeterias, snack bars, etc., charges vary for breakfasts, lunches, dinners, etc., and there are varieties of meals including vegetable dishes. If you do not know the name of a particular food and what it contains, do not hesitate to ask for what it is.

Tipping is very much common in America. You pay tips generally from 15 to 25 per cent of the bill to hotels, restaurants, 10 cents for fares upto 50 cents and 25 cents for fares upto 1½ dollars to a Taxi, 25 cents for a haircut, 25 cents per bag to a railway porter and airport porter, and so on.

Most Universities in the United States offer plenty of opportunities to help promote friendships and welfare activities through many social organizations like International Centre, Drama, Sports, Music, Hikes, Picnics, Magazine and student journalists own editorial and publications. There is student government in the campus where students gain practical experience of democratic process.

Other social organizations like Y.M.C.A., Y.W.C.A., Rotary Clubs and churches in America extend social life to foreign students through group discussion, tea parties, dinners, outings and the like. Almost all American Universities have student counselling services which advise students on academic problems and even personal problems and many American homes through the counselling services invite students to share in many community activities and often to spend a weekend or a holiday. All these activities are intended to develop the social, community and intellectual life of students and help bring foreign and American students together.



For assistance on your arrival in U.S.A., send a letter long earlier to the International Student Service, 291 Broadway, New York, New York 10007, U.S.A.

About dress people in the eastern states of America are more particular and formal compared to the western and you must be very particular about dress on special occasions. A jacket is necessary.

You must be punctual to keep your appointments and answer to all invitations very promptly accepting or not accepting saying reasons. A small token gift will no doubt be appreciated by your host or hostess and the value of the gifts need not necessarily befitting the occasion but just a token gift. On return just ring up or send a line saying how you enjoyed and thanking for the hospitality. It is customary to invite particularly during Christmas or other festivals and special occasions in a family or with friends.

In case you do not drink alcohol or eat certain food, do not feel embarrassed to tell this to your host or hostess.

Americans believe in sex equality and no formality is observed between sex relations and this freedom should not be misunderstood. The custom of Dating is a traditional thing in America. It is better I don't say much about it but be very careful to keep up the prestige and honour of your country in a foreign land whenever occasion arises.

There are more than 2000 Universities and Colleges in the U.S.A. for higher learning.

And many more institutions of higher learning are coming up almost every year. There are private and State Universities, liberal arts Colleges and Institutions of technology.

Tuition fees and maintenance cost are considerably very high in America. There are facilities for undergraduate, and graduate studies and research. Addresses of these institutions are given. Latest calendars of Universities are to be consulted for details of fees, syllabus, etc. University and College courses of studies are arranged in alphabetical order and statewise as far as possible. Courses in Divinity and Theology, some non-university courses and courses which do not attract Indian students are not included here.



List of various courses of studies for which facilities are available in the United States of America. They are arranged alphabetically.

Accountancy
Acoustics
Actuarial Science
Advertising, etc.
Aeronautics
Agriculture (All fields)
Agronomy
Air Conditioning
(Heating and Refrigeration)
Air Craft Mechanics
Air Line Hostess
Air Transportation
Animal Husbandry
Animal Science
Anthropology
Apiculture
Archaeology
Architecture
Area Studies (Asia, Canada, etc.)
Argonne Centre
(Atomic Energy Commn.)
Art
Arts and Crafts
Astronomy
Astrophysics
Audio-Visual Aids
Automotive Design
Automotive Engineering, etc.
Aviation Administration
Ballet (Dance)
Baking
Banking and Finance
Beef Cattle Raising
Bio Chemistry
Biology
Biophysics
Blind Teaching
Brewing Technology
Building Science
Business Administration
Cabinet Making
Cartography
Cartooning
Ceramic Art, etc.
Chinese
Chemical Engineering
Chemistry

Cheldren's Literature
Chiropody
Citrus Fruit Farming and Processing
City Management and Planning
Climatology
Clothing and Textiles
Communications
Community Work
Comparative Literature
Construction Technology
Cosmetology
Costume Design
Controls Systems
Cotton Growing and Marketing
Cranberry Technology
Creative Writing
Credit Management
Criminology and Police Science
Crop Dusting
Cytology
Dairy Husbandry
Danish
Divinity-Theology
Deaf and Hard of hearing teaching
Demography
Dental Assistant
Dental Laboratory Technician
Dentistry
Diesel Mechanics
Dietetics
Drafting
Drama
Drug Store Management
Dry Cleaning
Earth Science
Economics
Education
Education Montessori
Engineering (All fields)
Endocrinology
Electronic Computers
Engineering Technician
English
Enology
Entomology
Environmental Engineering
Exceptional Children Teaching

Fashion Design	Industrial Distribution
Farm Management	Industrial Editing
Fire Prevention	Industrial Hygiene
Fisheries	Industrial Management
Floriculture	Industrial Psychology
Folklore	Industrial Relations
Food Merchandising & Super Markets	Insurance
Food Processing	Interior Decoration
Food Technology	International Relations
Foreign Service and Diplomacy	Irrigation
Foreign Trade	Japanese
Forestry	Journalism
Forestry Technician	Kindergarten Teaching
Foundry	Labour Relations
Frozen Food	Latin
French	Law
Furniture Industry	Library Science
Garbage Servicing	Linotype Machinist
Gas Technology	Linguistics
German	Management Engineering
Gemology	Marine Biology
Genealogical Research	Marine Engineering
Genetics	Marketing and Research
Geodesy	Material Engineering
Geography	Mathematics
Geological Engineering	Medical Assistants
Geology	Medical Secretary
Geophysics	Medical and Surgery (All fields)
Glass Technology	Mentally Retarded Teaching
Graphic Arts and Printing	Merchant Marine and Maritime
Graphology	Metal and Foundry Work
Guidance and Student Services	Metallurgy
Gunsmithing	Meteorology
Handicapped Teaching	Microbiology
Health Education	Mineral Dressing
Heating and Plumbing	Mining Engineering
Heavy Construction	Mining Geology
Hebrew	Mortuary Science
Herpetology	Motion Pictures
Histology	Museum Curators
Home Economics (All fields)	Music
Horsemanship	Music Therapy
Horticulture	Music (Religious)
Hospital Administration	National Aeronautics and Space
Hospital Housekeeping	Administration
Hotel Administration	Naval Architecture
Hydraulics	Nuclear Engineering
Ichthyology	Nuclear Physics
Industrial Arts	Nuclear Research
Industrial Designs	Nursing

Occupational Therapy	Rehabilitation Counseling
Oceanography	Retailing (Teaching)
Office Management	Russian
Operations Research	Rubber Technology
Optometry	Sanitary Engineering
Ornithology	Secretarial Studies
Osteopathy	Silk Screening
Packing	Social Psychology
Paleontology	Social Studies
Paper and Pulp Industry	Social Work
Parasitology	Sociology
Patent Law	Soil Science
Petroleum Engineering	Space Technology
Petroleum Refining	Speech
Pharmacy	Spanish
Philology	Statistics
Philosophy	Sugar Beet Agriculture
Photogrammetry	Sugar Cane Agriculture
Photography	Swedish
Physical Therapy	Tanning Research
Physics	Teacher Education
Physiology	Textile Design
Plant Pathology	Textile Management
Plant Physiology	Textile Engineering
Plastics	Textile Merchandising
Political Science	Theology
Poultry Husbandry	Tobacco Agriculture
Portuguese	Transportation and Traffic
Power Engineering	Transportation Marine
Printing	Transportation Engineering
Psychology	Turf Management
Psychotherapy	Typography
Public Administration	Upholstery Technology
Public Relations	Urban Planning
Publishing (Book)	Veterinary Medicine
Quantum Mechanics	Visual Art
Radiation Shielding	Viticulture
Radio and T.V.	Welding
Radiologic Technology	Wildlife Management
Radioisotope Technology	Wood Utilisation
Range and Ranch Management	X-ray Technology
Real Estate	Youth Leadership
Recreation (Teaching)	Zoology



Some typical academic and professional degree abbreviations granted by Universities and professional Institutions in the United States of America.

A.A.	..	..	Associate in Arts
A.A.S.	..	..	Associate in Applied Arts
A.C.	...	..	Associate in Commerce
A.B.	..	..	Bachelor of Arts
A.B.A.	..	..	Associate in Business Administration
A.B.Ed.	...	...	Bachelor of Arts in Education
A.E.	..	..	Agricultural Engineer or Aeronautical Engineer
A.F.A.	..	..	Associate in Fine Arts
A.L.A.	..	..	Associate in Liberal Arts
A.M.	..	..	Master of Arts
A.M.E.	..	..	Advanced Master of Education
A.M.T.	..	..	Master of Arts in Teaching
A.S.	..	..	Associate in Science
Ag.E.	..	..	Agricultural Engineer
B.A.	..	..	Bachelor of Arts
B.A.Ed.	..	..	Bachelor of Arts in Education
B.A.M.	..	..	Bachelor of Arts in Music
B.Arch.	..	..	Bachelor of Arts in Architecture
B.B.A.	..	..	Bachelor of Business Administration
B.Cer.E.	..	..	Bachelor of Ceramic Engineering
B.Com.Sc.	..	..	Bachelor of Commercial Science
B.D.	..	..	Bachelor of Divinity
B.F.	..	..	Bachelor of Forestry
B.F.A.	..	..	Bachelor of Fine Arts
B.I.D.	..	..	Bachelor of Industrial Design
B.A. in J.	..	..	Bachelor of Arts in Journalism
B.L.S.	..	..	Bachelor of Library Science
B.Litt.	..	..	Bachelor of Literature
B.M.	..	..	Bachelor of Music
B.Mus.	..	..	Bachelor of Music
B.N.	..	..	Bachelor of Nursing
B.P.E.	..	..	Bachelor of Physical Education
B.S. in Med.Sc.	..	..	Bachelor of Science in Medical Science
B.S.	...	..	Bachelor of Science
B.S.A.A.	..	..	Bachelor of Science in Applied Arts
B.S.C.E.	...	..	Bachelor of Science in Civil Engineering
B.S.E.E.	..	..	Bachelor of Science in Electrical Engineering
B.S.M.E.	..	..	Bachelor of Science in Mechanical Engineering
B.S.N.	...	..	Bachelor of Science in Nursing
B.S.P.A.	..	..	Bachelor of Science in Public Administration
B.S.Ph.	..	..	Bachelor of Science in Pharmacy
B.S.S.	—	..	Bachelor of Science in Secretarial Science
B.S.W.	..	..	Bachelor of Social Work
B.S. in S.W.	..	..	Bachelor of Science in Social Work
C.A.S.	..	..	Certified Administrative Specialist
C.E.	..	..	Civil Engineer
Ch.E.	..	..	Chemical Engineer



C.P.A.	..	..	Certified Public Accountant
D.B.	..	..	Bachelor of Divinity
D.B.A.	..	..	Doctor of Business Administration
D.C.	..	..	Doctor of Chiropractic
D.C.L.	..	..	Doctor of Civil Law
D.D.	..	..	Doctor of Divinity
D.D.S.	..	..	Doctor of Dental Surgery
D.L.S.	..	..	Doctor of Library Science
D.P.H.	..	..	Doctor of Public Health
D.S.W.	..	..	Doctor of Social Work
D.S.Sc.	..	..	Doctor of Social Science
D.V.M.	..	..	Doctor of Veterinary Science
E.E.	..	..	Electrical Engineer
E.M.	..	..	Mining Engineer
Ed.B.	..	..	Bachelor of Education
Ed.D.	..	..	Doctor of Education
Ed.M.	..	..	Master of Education
Ex.M.	..	..	Master of Extension (Agriculture)
J.D.	..	..	Doctor of Jurisprudence
J.S.D.	..	..	Doctor of Judicial Science
LL.B.	..	..	Bachelor of Law
LL.M.	..	..	Master of Law
LL.D.	..	..	Doctor of Law
M.A.	..	..	Master of Arts
M.A.Ed.	..	..	Master of Arts in Education
M.A.T.	..	..	Master of Arts in Teaching
M.B.	..	..	Bachelor of Medicine
M.B.A.	..	..	Master of Business Administration
M.C.L.	..	..	Master in Civil Law
M.C.P.	..	..	Master in Civil Planning
M.D.S.	..	..	Master in Dental Surgery
M.D.	..	..	Master in Medicine
M.F.A.	..	..	Master in Fine Arts
M.L.S.	..	..	Master in Library Science
M.M.Ed.	..	..	Master in Music Education
M.M.	..	..	Master in Music
M.M.Sc.	..	..	Master in Medical Science
M.P.A.	..	..	Master of Public Administration or Master of Public Affairs.
M.P.E.	..	..	Master of Physical Education
M.P.H.	..	..	Master of Public Health
M.P.L.	..	..	Master of Parliamentary Law
M.S.	..	..	Master of Science
M.S.Hort.	..	..	Master of Science of Horticulture
M.S.H.E.	..	..	Master of Science in Home Economics
M.S.T.	..	..	Master of Science in Teaching
M.S.Sc.	..	..	Master of Social Science
M.S.W.	..	..	Master of Social Work
M.Th.	..	..	Master of Theology
M.U.P.	..	..	Master in Urban Planning



N.E.	..	..	Nuclear Engineer
O.D.	..	..	Doctor of Optometry
Ph.B.	..	..	Bachelor of Philosophy
Ph.C.	..	..	Pharmaceutical Chemistry
Ph.D.	..	..	Doctor of Philosophy
Ph.M.	..	..	Master of Philosophy
S.J.D.	..	..	Doctor of Juridical Science
Sc.D.	..	..	Doctor of Science
Sc.D.Med.	..	..	Doctor of Medical Science
S.Ed.	..	..	Specialist in Education
S.M.	..	..	Master of Science
San.E.	..	..	Sanitary Engineer
Sc.D.Hyg.	..	..	Doctor of Science in Hygiene



ACCOUNTANCY

(New York State department of education recognises the following institutions for preparation for certified Public Accountancy.)

ALABAMA	..	University of Alabama and Spring Hill College
CALIFORNIA	..	University of California (Berkeley), University of California (Los Angeles). University of Southern California and Stanford University.
COLORADO	..	University of Colorado and University of Denver
CONNECTICUT	..	University of Connecticut and Fair Field University
DELAWARE	..	University of Delaware
COLUMBIA	..	The American University, George Washington University and Georgetown University.
FLORIDA	..	Florida University, Florida State University, and University of Miami.
GEORGIA	..	Emory University
ILLINOIS	..	University of Chicago, University of Illinois, Loyola University, and Northern University.
INDIANA	..	Butler University, Indiana University, University of Notre Dame.
IOWA	..	Drake University and University of Iowa
KANSAS	..	Kansas State University, University of Kansas
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Loyola University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	American International College, Babson Institute, Boston College, Boston University, Harvard University, College of Holy Cross, Northeastern University.
MICHIGAN	..	University of Detroit, Michigan State University, University of Michigan, Wayne State University.
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	Mississippi State University, University of Mississippi
MISSOURI	..	University of Missouri, St. Louis University, and Washington University.
MONTANA	..	Montana State University
NEBRASKA	..	Creighton University, University of Nebraska
NEW JERSEY	...	Fairleigh Dickinson University, Rutgers State University, Seton Hall University.
NEW YORK	..	Adelphi University, State University at Albany, State University at Binghamton, Brooklyn College, State University at Buffalo, City College, Clarkson College of Technology, Columbia University, Cornell University, Fordham University, Hofstra University, Long Island University, New York University, Niagara University, Rochester Institute of Technology, University of Rochester, St. Bonaventure University, St. John's University, Syracuse University.



NORTH CAROLINA	..	Duke University, University of North Carolina
NORTH DAKOTA	..	University of North Dakota
OHIO	..	Bowling Green State University, University of Cincinnati, Kent State University, Miami University, Ohio State University, Ohio University, Xavier University.
OKLAHOMA	..	Oklahoma State University, University of Oklahoma and University of Tulsa.
OREGON	..	University of Oregon
PENNSYLVANIA	..	Bucknell University, Lehigh University, University of Pennsylvania, Pennsylvania State University, University of Pittsburgh, Temple University, University of Scranton, etc.
RHODE ISLAND	..	University of Rhode Island
SOUTH DAKOTA	..	University of South Dakota, South Dakota State University.
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas
UTAH	..	University of Utah
VERMONT	..	University of Vermont
VIRGINIA	..	University of Virginia
WASHINGTON	..	Washington State University
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming

ACTUARIAL SCIENCE (Approved by the Society of Actuaries)

ILLINOIS	..	University of Illinois
IOWA	..	Iowa State University, Drake University
MICHIGAN	..	University of Michigan
NEBRASKA	..	University of Nebraska
TEXAS	..	University of Texas
WISCONSIN	..	University of Wisconsin

ADVERTISING AND MANAGEMENT

COLORADO	..	University of Colorado
FLORIDA	..	University of Florida
GEORGIA	..	University of Georgia
ILLINOIS	..	University of Illinois, North Western University, Southern Illinois University.
IOWA	..	University of Iowa
KANSAS	..	University of Kansas
MICHIGAN	..	Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
MONTANA	..	Montana State University
NEW JERSEY	..	Rutgers State University
NEW YORK	..	Syracuse University



OHIO	..	Ohio University
OKLAHOMA	..	University of Oklahoma, Oklahoma State University
OREGON	..	University of Oregon
PENNSYLVANIA	..	Pennsylvania State University
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin

AGRICULTURE

ALABAMA	..	Auburn University
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	Fresno State University
GEORGIA	..	University of Georgia
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Illinois, Southern Illinois University
INDIANA	..	Purdue University
KENTUCKY	..	University of Kentucky, Western Kentucky State University, Murray State University.
MAINE	..	University of Maine
MICHIGAN	..	Michigan State University
MISSISSIPPI	..	Mississippi State University
MISSOURI	..	South West Missouri State University
NEBRASKA	..	University of Nebraska
NEW YORK	..	Alfred State University at Canton, Cornell University
NORTH DAKOTA	..	North Dakota State University
OHIO	..	Ohio University
OREGON	..	Oregon State University
PENNSYLVANIA	..	University of Pennsylvania
RHODE ISLAND	..	University of Rhode Island
TENNESSEE	..	University of Tennessee
TEXAS	..	Texas A and M University
UTAH	..	Utah State University
VIRGINIA	..	Virginia Polytechnic College
WASHINGTON	..	Washington State University
WYOMING	..	University of Wyoming

AIR CONDITIONING, HEATING AND REFRIGERATION

CALIFORNIA	..	El Camino College, Long Beach City College, and City College of San Francisco.
GEORGIA	..	Southern Technical Institute
MICHIGAN	..	Western Michigan University, Lawrence Institute of Technology.
NEW YORK	..	Alfred State University, Canton State University, Farmingdale State University.
OKLAHOMA	..	Oklahoma State University
PENNSYLVANIA	..	Temple University



TEXAS	..	University of Houston
VIRGINIA	..	Old Dominion University
WISCONSIN	..	Milwaukee School of Engineering

ANTHROPOLOGY

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California, San Francisco State College, Stanford University, etc.
COLORADO	..	University of Colorado
CONNECTICUT	..	Yale University
COLUMBIA	..	George Washington University
FLORIDA	..	Florida State University
ILLINOIS	..	University of Chicago, University of Illinois and North Western University
INDIANA	..	Indiana University
MASSACHUSETTS	..	Boston University, Harvard University
MICHIGAN	..	Michigan State University, University of Michigan and Wayne State University
MINNESOTA	..	University of Minnesota
NEW YORK	..	Buffalo State University (Columbia), Syracuse Univ.
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Ohio State University, Ohio University
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon
PENNSYLVANIA	..	Pennsylvania State University, University of Pennsyl- vania, University of Pittsburgh
TEXAS	..	University of Texas
UTAH	..	University of Utah
WASHINGTON	..	Washington State University, University of Washington
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming

ARCHAEOLOGY

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California (Berkeley), University of Southern California
CONNECTICUT	..	Yale University
ILLINOIS	..	University of Chicago
KENTUCKY	..	University of Kentucky
MASSACHUSETTS	..	Harvard University
MICHIGAN	..	University of Michigan
OHIO	..	University of Cincinnati
OKLAHOMA	..	University of Oklahoma
UTAH	..	University of Utah
WASHINGTON	..	University of Washington



ARCHITECTURE

ALABAMA	..	Auburn University
ARIZONA	..	Arizona State University, University of Arizona
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	University of California (Berkeley), University of Southern California
CONNECTICUT	..	Yale University
COLUMBIA	..	Howard University, Catholic University of America
FLORIDA	..	University of Florida
ILLINOIS	..	University of Illinois, Illinois Institute of Technology
INDIANA	..	University of Notre Dame
IOWA	..	Iowa State University
KANSAS	..	Kansas State University, University of Kansas
LOUISIANA	..	Tulane University
MASSACHUSETTS	..	Harvard University, Massachusetts Institute of Technology
MICHIGAN	..	University of Michigan
MINNESOTA	..	University of Minnesota
MISSOURI	..	Washington University
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NEW JERSEY	..	Princeton University
NEW YORK	..	Columbia University, Cornell University, Syracuse University
OHIO	..	Miami University, Ohio State University, University of Cincinnati
OKLAHOMA	..	Oklahoma State University, University of Oklahoma
OREGON	..	University of Oregon
PENNSYLVANIA	..	Pennsylvania State University, University of Pennsylvania
TEXAS	..	University of Texas, Rice University, University of Houston
UTAH	..	University of Utah
VIRGINIA	..	University of Virginia
Washington	..	University of Washington

ART CRAFT

(Cultural education in Art, Crafts, Design, etc.)

ALABAMA	..	Auburn University
CALIFORNIA	..	Art Center School (Los Angeles), California College of Art and Crafts (Oakland), San Francisco Art Inst.
CONNECTICUT	..	University of Hartford
ILLINOIS	..	Illinois Institute of Technology (Chicago), University of Illinois (Urbana)
INDIANA	..	John Herron School of Art
MASSACHUSETTS	..	Massachusetts College of Art, School of Boston Museum of Fine Art, Worcester Art Museum
MICHIGAN	..	University of Michigan



MISSOURI	..	Washington University
NEW YORK	..	Alfred University, State University of New York (Buffalo), Syracuse University
OHIO	..	Cleveland Institute of Art, University of Cincinnati
PENNSYLVANIA	..	Philadelphia Museum College of Art, Temple Univ.
WASHINGTON	..	University of Washington
WISCONSIN	..	Layton School of Art (Milwaukee)

ASTRONOMY

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California, California Institute of Technology, San Diego State University
CONNECTICUT	..	Wesleyan University, Yale University
COLUMBIA	..	Georgetown University
ILLINOIS	..	University of Chicago, University of Illinois, North Western University
INDIANA	..	Indiana University
KANSAS	..	University of Kansas, Washburn University
MASSACHUSETTS	..	Boston University, Harvard University
MICHIGAN	..	University of Michigan
NEW JERSEY	..	Princeton University
NEW YORK	..	Columbia University, University of Rochester, State University (Stony Brook)
OHIO	..	University of Cincinnati, Ohio State University
PENNSYLVANIA	..	University of Pennsylvania
WISCONSIN	..	University of Wisconsin

ATOMIC RESEARCH

ALABAMA	..	University of Alabama, Auburn University, Tuskeyee Institute
ARKANSAS	..	University of Arkansas
CONNECTICUT	..	Yale University
DELAWARE	..	University of Delaware
COLUMBIA	..	Catholic University of America
FLORIDA	..	State University of Florida, University of Florida, University of Miami
GEORGIA	..	Emory University, University of Georgia, and Georgia Institute of Technology
ILLINOIS	..	University of Chicago, University of Illinois, Loyola University, North Western University, Illinois Institute of Technology.
INDIANA	..	Indiana University, University of Notre Dame, Purdue University
IOWA	..	University of Iowa, Marycrest University
KANSAS	..	Kansas State University, University of Kansas
KENTUCKY	..	University of Kentucky, University of Louisville
LOUISIANA	..	Louisiana State University, Tulane University

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MARYLAND	..	Johns Hopkins University, University of Maryland
MASSACHUSETTS	..	Boston University, Clark University, Harvard University, Massachusetts Institute of Technology
MICHIGAN	..	Michigan State University, Michigan Technology University, University of Michigan, Wayne State Univ.
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi, Mississippi State College
MISSOURI	..	University of Missouri, St. Louis University, Washington University
NEBRASKA	..	University of Nebraska
NEW YORK	..	Columbia University, Cornell University, University of Rochester, State University (Stony Brook)
NORTH CAROLINA	..	Duke University, University of North Carolina, North Carolina State College
OHIO	..	University of Cincinnati, Ohio State University
OKLAHOMA	..	Oklahoma State University, University of Oklahoma
OREGON	..	Oregon State University
PENNSYLVANIA	..	University of Pennsylvania
SOUTH CAROLINA	..	University of South Carolina
TENNESSEE	..	University of Tennessee, Fisk University
TEXAS	..	Rice University, Southern Methodist University, University of Texas, Texas Woman's University, Texas A & M University
VIRGINIA	..	University of Virginia
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin, Marquette University

AUDIO-VISUAL AIDS

ARIZONA	..	Arizona State University, University of Arizona
CALIFORNIA	..	University of California, University of Pacific, San Diego State University, San Jose State University, University of Southern California
COLORADO	..	University of Colorado, University of Denver
CONNECTICUT	..	University of Connecticut, Southern Connecticut State University
FLORIDA	..	Florida State University
GEORGIA	..	University of Georgia
ILLINOIS	..	Illinois State University
INDIANA	..	Indiana University, Indiana State University
IOWA	..	Iowa State University
KENTUCKY	..	University of Kentucky
MASSACHUSETTS	..	Boston University
MICHIGAN	..	Michigan State University, Wayne State University, Western Michigan University
MINNESOTA	..	University of Minnesota
NEW YORK	..	New York University, New York State University (Buffalo), New York State University (Oswego), Syracuse University, New York State University (Brookport)

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OHIO	..	Bowling Green State University, Kent State University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
PENNSYLVANIA	..	Pennsylvania State University, University of Pittsburgh
TEXAS	..	University of Houston, Texas Southern University, University of Texas
UTAH	..	University of Utah
VIRGINIA	..	Virginia State University, University of Virginia
WASHINGTON	..	Central Washington College of Education, Washington State University, University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming

BANKING

CALIFORNIA	..	Long Beach City College, City College of San Francisco
FLORIDA	..	Florida State University
OKLAHOMA	..	Oklahoma State University
OREGON	..	Oregon Technical Institute
TEXAS	..	Arlington State College, Prairie View A & M Univ.

BIO-CHEMISTRY

CALIFORNIA	..	University of California
ILLINOIS	..	University of Chicago
INDIANA	..	Purdue University
LOUISIANA	..	Louisiana State University, and A & M College
MASSACHUSETTS	..	Harvard University, Radcliffe University
MICHIGAN	..	Michigan State University
NEW YORK	..	New York State University (Buffalo), Cornell University, New York State University (Syracuse), Long Island University
PENNSYLVANIA	..	Pennsylvania State University
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming

BIOLOGY

ALABAMA	..	University of Alabama
CALIFORNIA	..	University of California, Long Beach State University, San Francisco State University, Stanford Univ.
COLORADO	..	Colorado State University
CONNECTICUT	..	Wesleyan University
DELAWARE	..	University of Delaware
COLUMBIA	..	Catholic University, Georgetown University
FLORIDA	..	Florida State University, University of Florida
GEORGIA	..	Atlanta University
ILLINOIS	..	University of Chicago, Illinois State University, Loyola University, North Western University



INDIANA	..	Indiana State University, Indiana University, University of Notre Dame, Purdue University
MARYLAND	..	Johns Hopkins University
MASSACHUSETTS	..	Boston University, Harvard University, Massachusetts Institute of Technology, Tufts University
MICHIGAN	..	University of Detroit, Michigan State University, University of Michigan, Wayne State University.
MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri, St. Louis University
NEW HAMPSHIRE	..	University of New Hampshire
NEW JERSEY	..	Princeton University, Rutgers State University
NEW YORK	..	Adelphi University, State University of New York (Albany, Binghamton, Buffalo, Farmingdale, Syracuse), Hofstra University, Long Island University, New York University, University of Rochester
NORTH CAROLINA	..	Duke University
OHIO	..	Bowling Green State University, University of Cincinnati, John Carroll University, Ohio State Univ.
OREGON	..	University of Oregon
PENNSYLVANIA	..	Pennsylvania State University, University of Pennsylvania
RHODE ISLAND	..	University of Rhode Island
SOUTH CAROLINA	..	University of South Carolina
TEXAS	..	Baylor University, North Texas State University, Rice University, Texas A & M University
UTAH	..	University of Utah
VIRGINIA	..	University of Virginia
WASHINGTON	..	Central Washington State College, University of Puget Sound
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	Wisconsin State University (Oshkosh)

BIOPHYSICS

CALIFORNIA	..	California Institute of Technology, University of California, Stanford University
CONNECTICUT	..	Yale University
ILLINOIS	..	University of Chicago
KANSAS	..	University of Kansas
MASSACHUSETTS	..	Harvard University, Massachusetts Institute of Technology
MICHIGAN	..	Michigan State University, University of Michigan
MINNESOTA	..	University of Minnesota
NEW YORK	..	New York State University (Buffalo), Columbia University, University of Rochester
PENNSYLVANIA	..	University of Pittsburgh, Carnegie Institute of Technology.
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin



BLIND
(Teaching of the Blind)

COLORADO	..	Colorado State College
ILLINOIS	..	Illinois State University
KENTUCKY	..	University of Kentucky
MASSACHUSETTS	..	Boston University
MICHIGAN	..	Michigan State University, University of Michigan, Wayne State University
MINNESOTA	..	University of Minnesota
NEW YORK	..	Syracuse University
PENNSYLVANIA	..	Pennsylvania State University, University of Pennsyl- vania
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Houston, University of Texas

BOTANY

CALIFORNIA	..	University of California
ILLINOIS	..	University of Illinois, Southern Illinois University
INDIANA	..	Indiana University
IOWA	..	Iowa State University
MICHIGAN	..	Michigan State University, University of Michigan
MISSOURI	..	University of Missouri
NEBRASKA	..	University of Nebraska
NEW YORK	..	New York State University (Buffalo), Columbia Uni- versity, New York State University (Stony Brook)
OHIO	..	University of Cincinnati, Miami University, Ohio State University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
WASHINGTON	..	University of Washington
WISCONSIN	..	Wisconsin State University, University of Wisconsin

BUSINESS ADMINISTRATION

ALABAMA	..	University of Alabama
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	San Diego State College, Stanford University, Uni- versity of California (Berkeley), University of Santa Clara, University of Southern California
FLORIDA	..	University of Florida, University of Miami
GEORGIA	..	Emory University, Georgia State College
ILLINOIS	..	DePaul University, North Western University, Uni- versity of Chicago, University of Illinois
INDIANA	..	Indiana University
IOWA	..	State University of Iowa
KENTUCKY	..	University of Kentucky



LOUISIANA	.. Louisiana State University, Tulane University
MASSACHUSETTS	.. Harvard University, Massachusetts Institute of Technology, University of Massachusetts
MICHIGAN	.. Michigan State University, University of Detroit, University of Michigan
MINNESOTA	.. University of Minnesota
MISSOURI	.. Washington University
NEBRASKA	.. University of Nebraska
NEW HAMPSHIRE	.. Dartmouth College
NEW YORK	.. Columbia University, Cornell University, New York University, Syracuse University
NORTH CAROLINA	.. University of North Carolina
OHIO	.. Miami University, Ohio State University, University of Toledo, Western Reserve University
OKLAHOMA	.. University of Oklahoma
PENNSYLVANIA	.. Carnegie Institute of Technology, Duquesne University, Lehigh University, Pennsylvania State University, University of Pittsburgh, University of Pennsylvania
TEXAS	.. University of Texas
UTAH	.. University of Utah
WASHINGTON	.. University of Washington
WEST VIRGINIA	.. West Virginia University
WISCONSIN	.. University of Wisconsin, Marquette University

CERAMIC ART

ARIZONA	.. Arizona State University
CALIFORNIA	.. University of California (Barkeley and Los Angeles)
COLUMBIA	.. George Washington University
KANSAS	.. University of Kansas
MICHIGAN	.. Wayne State University
MISSOURI	.. Washington University
NEW YORK	.. New York University, Rochester University of Technology, State University College of Ceramics (Alfred)
NORTH DAKOTA	.. University of North Dakota
OHIO	.. Bowling Green State University, University of Cincinnati, Ohio State University
OKLAHOMA	.. Oklahoma State University, University of Oklahoma
PENNSYLVANIA	.. Philadelphia College of Art
TEXAS	.. University of Texas
WASHINGTON	.. University of Washington

CHEMISTRY

ALABAMA	.. University of Alabama, Auburn University
ARIZONA	.. Arizona State University, University of Arizona
ARKANSAS	.. University of Arkansas



CALIFORNIA	..	California Institute of Technology, University of California (Berkeley, Davis, Los Angeles, Riverside, Santa Barbara), Loyola University, University of Redlands, San Francisco State University, University of San Francisco, University of Southern California, Stanford University, etc.
COLORADO	..	Colorado State University, University of Colorado, University of Denver
CONNECTICUT	..	University of Connecticut, Yale University
DELAWARE	..	University of Delaware
COLUMBIA	..	American University, Georgetown University, Howard University
FLORIDA	..	Florida State University, University of Florida, Miami University
GEORGIA	..	Emory University, University of Georgia
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Chicago, Illinois Institute of Technology, University of Illinois, Loyola University, Northern Illinois University, North Western Illinois University, Southern Illinois University
INDIANA	..	Butler University, Indiana University, University of Notre Dame, Purdue University
IOWA	..	Drake University, Iowa State University, University of Iowa
KANSAS	..	University of Kansas
KENTUCKY	..	University of Kentucky, University of Louisville
LOUISIANA	..	Louisiana State University, Loyola University, University of South Western Louisiana, Tulane Univ.
MAINE	..	University of Maine
MARYLAND	..	University of Maryland, Johns Hopkins University
MASSACHUSETTS	..	Boston University, Clark University, Harvard University, Massachusetts Institute of Technology, University of Massachusetts, Northeastern University, Tufts University
MICHIGAN	..	University of Detroit, Michigan State University, University of Michigan, Wayne State University, Western Michigan University.
MINNESOTA	...	University of Minnesota
MISSISSIPPI	..	Mississippi State University, University of Mississippi, University of Southern Mississippi
MISSOURI	..	University of Kansas City, University of Missouri, Washington University
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NAVADA	..	University of Nevada
NEW HAMPSHIRE	..	University of New Hampshire
NEW JERSEY	..	Princeton University, Rutgers State University
NEW MEXICO	..	New Mexico State University, University of New Mexico



NEW YORK	..	Adelphi University, Columbia University, Cornell University, Fordam University, New York State University (Buffalo, Stony Brook), New York University, Rochester Institute of Technology, University of Rochester, Syracuse University
NORTH CAROLINA	..	Duke University, University of North Carolina
NORTH DAKOTA	..	University of North Dakota
OHIO	..	Bowling Green State University, Cleveland State University, University of Cincinnati, Kent State University, Miami University, Ohio State University, University of Ohio, Western Reserve University
OKLAHOMA	..	Oklahoma State University, University of Oklahoma
OREGON	..	Oregon State University, University of Oregon
PENNSYLVANIA	..	Carnegie Institute of Technology, Duquesne University, Lehigh University, Pennsylvania State University, University of Pennsylvania, University of Pittsburgh, Temple University
RHODE ISLAND	..	Brown University, University of Rhode Island
SOUTH CAROLINA	..	Clemson University, University of South Carolina
TENNESSEE	..	University of Tennessee, Tennessee Technical University
TEXAS	..	Baylor University, University of Houston, Rice University, Southern Methodist University, Texas A & M University, University of Texas
UTAH	..	Brigham Young University, Utah State University, University of Utah
VERMONT	..	University of Vermont
VIRGINIA	..	University of Richmond, University of Virginia
WASHINGTON	..	Washington State University, University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	Marquette University, University of Wisconsin
WYOMING	..	University of Wyoming

CLIMATOLOGY

CALIFORNIA	..	University of California (Los Angeles)
FLORIDA	..	University of Florida
ILLINOIS	..	University of Illinois
IOWA	..	University of Iowa
KENTUCKY	..	University of Kentucky
MARYLAND	..	University of Maryland, Johns Hopkins University
MASSACHUSETTS	..	Boston University
MICHIGAN	..	University of Michigan
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
NEW YORK	..	Syracuse University
OHIO	..	Ohio University
OKLAHOMA	..	Oklahoma State University



PENNSYLVANIA	..	University of Pittsburgh
UTAH	..	University of Utah
VIRGINIA	..	University of Virginia
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

DAIRY (HUSBANDRY)

ARIZONA	..	University of Arizona
ARKANSAS	..	University of Arkansas
FLORIDA	..	University of Florida
GEORGIA	..	University of Georgia
INDIANA	..	Purdue University
IOWA	..	Iowa State University
KANSAS	..	Kansas State University
KENTUCKY	..	University of Kentucky
MARYLAND	..	University of Maryland
MICHIGAN	..	Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
NEW YORK	..	Cornell University, New York State University (Cobleskill, Farmingdale)
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Ohio State University
OREGON	..	Oregon State University
TENNESSEE	..	University of Tennessee
TEXAS	..	Texas A & M University
WASHINGTON	..	Washington State University
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin

DEAF AND HARD OF HEARING

CALIFORNIA	..	Chico State University
COLORADO	..	Colorado State College, University of Denver
FLORIDA	..	Florida State University
ILLINOIS	..	Bradley University, Illinois State University, University of Illinois, North Western University
INDIANA	..	Indiana State College, Indiana University
KANSAS	..	University of Wichita
KENTUCKY	..	University of Kentucky
MASSACHUSETTS	..	Boston University
MICHIGAN	..	University of Michigan, Michigan State University, Wayne State University, Eastern Michigan University
MINNESOTA	..	University of Minnesota
NEW YORK	..	Columbia University, New York State University (Buffalo), Syracuse University, New York University



OHIO	.. University of Cincinnati, Kent State University, Ohio State University
TENNESSEE	.. University of Tennessee
TEXAS	.. University of Texas, Texas Woman's University
UTAH	.. University of Utah

DENTISTRY

ALABAMA	.. University of Alabama
CALIFORNIA	.. Loma Linda University, University of California (San Francisco) University of the Pacific (San Francisco), University of Southern California
COLUMBIA	.. Georgetown University, Howard University
GEORGIA	.. Emory University
ILLINOIS	.. Loyola University, University of Illinois, North Western University
INDIANA	.. Indiana University
IOWA	.. State University of Iowa
KENTUCKY	.. University of Louisville
LOUISIANA	.. Loyola University
MARYLAND	.. University of Maryland
MASSACHUSETTS	.. Harvard School of Dental Medicine, Tufts University
MICHIGAN	.. University of Detroit, University of Michigan
MINNESOTA	.. University of Minnesota
MISSOURI	.. St. Louis University, University of Missouri (Kansas City), Washington University
NEBRASKA	.. University of Nebraska, Creighton University
NEW JERSEY	.. Fairleigh Dickinson University, Seton Hall University
NEW YORK	.. Columbia University, New York University, State University of New York
NORTH CAROLINA	.. University of North Carolina
OHIO	.. Ohio State University, Western Reserve University
OREGON	.. University of Oregon
PENNSYLVANIA	.. Temple University, University of Pennsylvania, University of Pittsburgh
TENNESSEE	.. University of Tennessee
TEXAS	.. University of Texas, Baylor University
WASHINGTON	.. University of Washington
WEST VIRGINIA	.. University of West Virginia
WISCONSIN	.. Marquette University

DIETETICS

ALABAMA	.. University of Alabama
ARIZONA	.. University of Arizona
ARKANSAS	.. University of Arkansas
CALIFORNIA	.. University of California



COLORADO	..	Colorado State University
DELAWARE	..	University of Delaware
FLORIDA	..	Florida State University
GEORGIA	..	University of Georgia
ILLINOIS	..	University of Illinois, North Western University
INDIANA	..	Indiana State University, Indiana University, Purdue University
IOWA	..	University of Iowa
KANSAS	..	Kansas State University, University of Kansas
LOUISIANA	..	Louisiana State University
MAINE	...	University of Maine
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	University of Massachusetts
MICHIGAN	..	Michigan State University, Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri
NEW YORK	...	New York University, Syracuse University
OHIO	..	Miami University, Ohio State University
OKLAHOMA	..	University of Oklahoma
PENNSYLVANIA	..	Pennsylvania State University, Temple University
TENNESSEE	..	University of Tennessee
TEXAS	..	Texas Southern University, University of Texas
UTAH	..	Utah State University, University of Utah
WASHINGTON	..	Washington State University, University of Washington
WISCONSIN	..	University of Wisconsin

ECONOMICS

CALIFORNIA	..	University of California, University of San Francisco, Stanford University, San Diego State University
COLORADO	..	University of Colorado, University of Denver
CONNECTICUT	..	University of Connecticut, Yale University
COLUMBIA	..	The American University, George Washington University, Georgetown University, Howard University
FLORIDA	..	University of Florida, University of Miami
ILLINOIS	..	University of Illinois, Loyola University, North Western University, Southern Illinois University
INDIANA	..	Indiana University, University of Notre Dame, Purdue University
IOWA	..	Cornell University, University of Iowa
KANSAS	..	University of Kansas
MASSACHUSETTS	..	Clark University, Harvard University, North Eastern University, Tufts University
MARYLAND	..	University of Maryland
MICHIGAN	..	Michigan State University, University of Michigan, Wayne State University



MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri, Washington University
NEW JERSEY	..	Princeton University, Rutgers University
NEW YORK	..	Columbia University, Cornell University, Long Island University, New York University, Syracuse Univ.
NORTH CAROLINA	..	University of North Carolina
NORTH DAKOTA	..	North Dakota State University
OHIO	..	University of Cincinnati, Ohio State University, Ohio University
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon
PENNSYLVANIA	..	Pennsylvania State University, University of Pennsylvania, University of Pittsburgh
RHODE ISLAND	..	Brown University
SOUTH DAKOTA	..	South Dakota State University
TENNESSEE	..	University of Tennessee, University of South Tennessee
TEXAS	..	Rice University, University of Texas, St. Mary's Univ.
UTAH	..	University of Utah
VERMONT	..	University of Vermont
VIRGINIA	..	University of Virginia
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin

EDUCATION (TEACHING)

ALABAMA	..	Auburn University, University of Alabama, Florence State College
ARIZONA	..	University of Arizona, Arizona State University
ARKANSAS	..	University of Arkansas, Arkansas State College, Henderson State Teachers College
CALIFORNIA	..	University of Southern California, University of the Pacific, University of California (Berkeley and Los Angeles), Stanford University, San Francisco State College, San Diego State College, Los Angeles State College, Long Beach State College, Chico State College.
COLORADO	..	University of Colorado, Colorado State University, University of Denver, Colorado State College
CONNECTICUT	..	University of Connecticut, University of Hartford, Southern Connecticut State College
COLUMBIA	..	George Washington University
FLORIDA	..	University of Florida, University of Miami, Florida State University, Stetson University
GEORGIA	..	University of Georgia, Georgia Southern College
IDAHO	..	University of Idaho, Idaho State College



- ILLINOIS .. University of Illinois, University of Chicago, Southern Illinois University, North Western University, Western Illinois University, Northern Illinois University, Millikin University, Bradley University, Eastern Illinois University
- INDIANA .. Indiana University, Purdue University, Butler University, Ball State Teachers College
- IOWA .. State University of Iowa, State College of Iowa, Drake University
- KANSAS .. University of Kansas, Washburn University of Topeka, University of Wichita, Kansas State Teachers College of Emporia, Kansas State College of Pittsburg, Fort Hays Kansas State College
- KENTUCKY .. University of Kentucky, University of Louisville, Western Kentucky State College, Eastern Kentucky State College, Morehead State College, Murray State College
- LOUISIANA .. Louisiana State University, Loyola University, North Western State College of Louisiana, University of South Western Louisiana
- MAINE .. University of Maine
- MARYLAND .. University of Maryland, Towson State College
- MASSACHUSETTS .. Boston University, Harvard University, Springfield College, University of Massachusetts, etc.
- MICHIGAN .. University of Michigan, Wayne University, Michigan State University, etc.
- MINNESOTA .. University of Minnesota, Moorhead State College, Mankato State College, Winona State College
- MISSISSIPPI .. University of Mississippi, Mississippi State University, University of Southern Mississippi, Mississippi College
- MISSOURI .. University of Missouri, Washington University, St. Louis University, Northeast Missouri State Teachers College
- MONTANA .. Montana State University, Montana State College
- NEBRASKA .. Creighton University, Municipal University of Omaha, University of Nebraska, Wayne State College
- NEVADA .. University of Nevada
- NEW HAMPSHIRE .. University of New Hampshire, Plymouth State College
- NEW JERSEY .. Rutgers University, Paterson State College, Montclair State College, Glassboro State College
- NEW YORK .. Columbia University, Cornell University, New York University, University of Rochester, Syracuse University, New York State University, Hofstra Univ.
- NORTH CAROLINA .. University of North Carolina, Duke University, Western Carolina College
- NORTH DAKOTA .. University of North Dakota
- OHIO .. Ohio State University, University of Cincinnati, Kent State University, Bowling Green State University, Miami University, University of Toledo, St. John College of Cleveland



OKLAHOMA	..	University of Oklahoma, Oklahoma State University, University of Tulsa
OREGON	..	University of Oregon, Oregon State University
PENNSYLVANIA	..	Pennsylvania State University, Duquesne University, Temple University, University of Pennsylvania, University of Pittsburgh
RHODE ISLAND	..	Rhode Island College
SOUTH CAROLINA	..	University of South Carolina
SOUTH DAKOTA	..	State University of South Dakota, Northern State Teachers College, South Dakota State College
TENNESSEE	..	University of Tennessee, George Peabody College for Teachers, Memphis State University, East Tennessee State College, Middle Tennessee State College
TEXAS	..	University of Texas, University of Houston, North Texas State College, Texas Christian University, Southern Methodist University, Texas Southern University, Trinity University
UTAH	..	University of Utah, Utah State University
VERMONT	..	University of Vermont
VIRGINIA	..	University of Virginia, Virginia State College
WASHINGTON	..	Washington State University, University of Puget Sound, Central Washington State College, Eastern Washington State College, Western Washington State College
WEST VIRGINIA	..	West Virginia University, Marshall University
WISCONSIN	..	University of Wisconsin, Milwaukee University, Wisconsin State College (Superior), Marquette Univ.
WYOMING	..	University of Wyoming

ENGINEERING

ALABAMA	..	Auburn University (Aerospace Agricultural, Chemical, Civil, Electrical, Mechanical), University of Alabama (Aerospace, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical, Mining)
ARIZONA	..	University of Arizona (Aerospace, Chemical, Civil, Electrical, Geological, Mechanical, Metallurgical, Mining), Arizona State University (Civil, Electrical, Engineering, Science, Industrial, Mechanical)
ARKANSAS	..	University of Arkansas (Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical)
CALIFORNIA	..	California Institute of Technology (Aeronautics, Chemical, Civil, Electrical, Industrial, Mechanical), University of California, Berkeley (Agricultural, Automotive, Ceramic, Chemical, Civil, Electrical, Geological, Industrial, Mechanical, Metallurgy, Mining, Marine, Naval, Architecture, Nuclear, Petroleum, Sanitary, Transportation), University of Southern



- California, Los Angeles (Chemical, Civil, Electrical, Industrial, Mechanical, Petroleum), Stanford University (Chemical, Civil, Electrical, Industrial, Materials Science, Mechanical, Petroleum)
- COLORADO .. University of Colorado (Aeronautical, Architectural, Chemical, Civil, Electrical, Mechanical), Colorado State University (Agricultural, Civil, Electrical Mechanical), University of Denver (Chemical, Civil, Electrical, Mechanical), Colorado School of Mines (Geological, Geophysical, Metallurgical, Mining, Petroleum (refining))
- CONNECTICUT .. University of Connecticut (Civil, Electrical, Mechanical), Yale University (Chemical, Civil, Electrical, Mechanical)
- DELAWARE .. University of Delaware (Chemical, Civil, Electrical, Mechanical)
- COLUMBIA .. Howard University (Civil, Electrical, Mechanical), George Washington University (Civil, Electrical, Mechanical)
- FLORIDA .. University of Florida (Aerospace, Agricultural, Chemical, Communication, Civil, Electrical, Industrial, Mechanical, Power Sanitary), University of Miami (Architectural, Civil, Electrical, Industrial, Mechanical)
- GEORGIA .. Georgia Institute of Technology (Aerospace, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical, Sanitary, Textile)
- IDAHO ... University of Idaho (Agricultural, Chemical, Civil, Electrical, Geological, Mechanical, Metallurgical, Mining)
- ILLINOIS .. University of Illinois (Aeronautical, Astronautical, Agricultural, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical, Mining), Illinois Institute of Technology (Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical), Bradley University (Civil, Electrical, Industrial, Mechanical), North Western University (Chemical, Civil, Electrical, Industrial, Mechanical)
- INDIANA ... Purdue University (Aeronautical, Agricultural, Automotive, Civil, Chemical, Electrical, Industrial, Mechanical, Metallurgical), University of Notre Dame (Aeronautical, Chemical, Civil, Electrical, Mechanical, Metallurgical)
- IOWA .. Iowa State University of Science and Technology (Aerospace, Agricultural, Architectural, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical), State University of Iowa (Chemical, Civil, Electrical, Industrial, Mechanical, Sanitary)



- KANSAS** .. University of Kansas (Aeronautical, Architectural, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical, Petroleum), Kansas State University (Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical)
- KENTUCKY** .. University of Kentucky (Civil, Electrical, Mechanical, Metallurgical, Mining), University of Louisville (Chemical, Civil, Electrical, Mechanical)
- LOUISIANA** .. Louisiana State University (Agricultural, Chemical, Civil, Electrical, Hydraulic, Mechanical, Petroleum), Tulane University (Chemical, Civil, Electrical, Mechanical)
- MAINE** .. University of Maine (Agricultural, Chemical, Civil, Electrical, Engineering Physics, Mechanical)
- MARYLAND** .. University of Maryland (Aeronautical, Chemical, Civil, Electrical, Mechanical), Johns Hopkins University (Chemical, Electrical, Industrial)
- MASSACHUSETTS** .. Massachusetts Institute of Technology (Aeronautical, Astronautical, Chemical, Civil, Electrical, Mechanical, Metallurgical, Marine, Naval Architectural), University of Massachusetts (Chemical, Civil, Electrical, Industrial, Mechanical), Northeastern University (Chemical, Civil, Electrical, Industrial, Mechanical), Tufts University (Chemical, Civil, Electrical, Mechanical)
- MICHIGAN** .. University of Michigan (Aeronautical, Automotive, Chemical, Civil, Electrical, Engineering Physics, Industrial, Materials, Mechanical, Metallurgical, Marine, Naval, Architectural), Michigan State University (Agricultural, Automotive, Chemical, Civil, Electrical, Materials, Mechanical, Metallurgical), Michigan College of Mining and Technology (Chemical, Civil, Electrical, Geological, Mechanical, Metallurgical, Mining), University of Detroit (Aeronautical, Automotive, Chemical, Civil, Electrical, Mechanical), Wayne State University (Chemical, Civil, Electrical, Mechanical)
- MINNESOTA** .. University of Minnesota (Aeronautical, Agricultural, Chemical, Civil, Electrical, Geological, Mechanical, Metallurgical, Mining)
- MISSISSIPPI** .. University of Mississippi (Chemical, Civil, Geological, Mechanical), Mississippi State University (Aerospace, Agricultural, Civil, Electrical, Mechanical)
- MISSOURI** .. University of Missouri (Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical), Missouri School of Mining and Metallurgy (Ceramic, Chemical, Civil, Electrical, Mechanical, Metallurgical, Mining, Mining Geology, Petroleum), St. Louis University (Civil, Electrical, Geological, Geophysical), Washington University (Architectural, Chemical, Civil, Electrical, Geological, Industrial, Mechanical)



MONTANA	..	Montana School of Mines (Metallurgical-mineral dressing, Mining), Montana State College (Architectural, Chemical, Civil, Electrical, Industrial, Mechanical)
NEBRASKA	..	University of Nebraska (Agricultural, Chemical, Civil, Electrical, Mechanical)
NEVADA	..	University of Nevada (Civil, Electrical, Geological, Mechanical, Metallurgical, Mining)
NEW JERSEY	..	Princeton University (Aeronautical, Chemical, Civil, Electrical, Geological, Mechanical), Rutgers University (Agricultural, Ceramic, Civil, Electrical, Industrial, Mechanical, Sanitary)
NEW YORK	..	New York University (Aeronautical, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical), Columbia University (Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical, Mining), Cornell University (Aerospace, Agricultural, Automotive, Chemical, Civil, Electrical, Engineering Physics, Industrial, Mechanical, Metallurgical), New York State University, Stony Brook (Automotive, Plastics), Syracuse University (Aeronautical, Chemical, Civil, Electrical, Industrial, Mechanical), University of Rochester (Chemical, Electrical, Mechanical)
NORTH CAROLINA	..	North Carolina State University (Aerospace, Agricultural, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical)
NORTH DAKOTA	..	University of North Dakota (Chemical, Civil, Electrical, Mechanical)
OHIO	..	Ohio University (Chemical, Civil, Electrical, Industrial, Mechanical), Ohio State University (Aeronautical, Agricultural, Automotive, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical, Mining, Welding), University of Cincinnati (Aerospace, Chemical, Civil, Electrical, Mechanical, Metallurgical), Case Institute of Technology (Chemical, Civil, Electrical, Mechanical, Metallurgical)
OKLAHOMA	..	University of Oklahoma (Aeronautical, Chemical, Civil, Electrical, Engineering Physics, Geological, Mechanical, Metallurgical, Petroleum), Oklahoma State University (Agricultural, Architectural, Chemical, Civil, Electrical, Industrial, Mechanical)
OREGON	..	Oregon State University (Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical), Oregon State College (Automotive)
PENNSYLVANIA	..	Pennsylvania State University (Aerospace, Agricultural, Architectural, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical, Mining, Sanitary), University of Pennsylvania (Chemical, Civil, Electrical, Mechanical, Metallurgical), University of Pittsburgh (Aerospace, Chemical, Civil,



- Electrical, Industrial, Mechanical, Metallurgical, Petroleum), Carnegie Institute of Technology (Chemical, Civil, Electrical, Mechanical, Metallurgical), Drexel Institute of Technology (Chemical, Civil, Electrical, Mechanical, Metallurgical)
- RHODE ISLAND** .. Brown University (Aerospace, Civil, Electrical, Mechanical), University of Rhode Island (Chemical, Civil, Electrical, Industrial, Mechanical)
- SOUTH CAROLINA** .. University of South Carolina (Chemical, Civil, Electrical, Mechanical)
- SOUTH DAKOTA** .. South Dakota School of Mines and Technology (Chemical, Civil, Electrical, Geological, Mechanical, Metallurgical, Mining)
- TENNESSEE** .. University of Tennessee (Chemical, Civil, Electrical, Industrial, Mechanical), Vanderbilt University (Chemical, Civil, Electrical, Mechanical)
- TEXAS** .. Texas A & M University (Aerospace, Agricultural, Automotive, Chemical, Civil, Electrical, Geological, Industrial, Mechanical, Petroleum), University of Texas (Aerospace, Architectural, Chemical, Civil, Electrical, Environmental Health, Mechanical, Petroleum), University of Houston (Chemical, Civil, Electrical, Industrial, Mechanical, Petroleum), Texas Tech. College (Civil, Electrical, Industrial, Mechanical, Petroleum, Textile), Rice University (Chemical, Civil, Electrical, Mechanical)
- UTAH** .. University of Utah (Chemical, Civil, Electrical, Geological, Mechanical, Metallurgical, Mining), Brigham Young University (Chemical, Civil, Electrical, Mechanical)
- VERMONT** .. University of Vermont (Civil, Electrical, Mechanical)
- VIRGINIA** .. University of Virginia (Aeronautical, Chemical, Civil, Electrical, Mechanical), Virginia Poly. Institute (Aeronautical, Agricultural, Architectural, Ceramic, Chemical, Civil, Electrical, Industrial, Engineering Mechanics, Mechanical, Metallurgical, Mining)
- WASHINGTON** .. University of Washington (Aeronautics, Astronautics, Ceramic, Chemical, Civil, Electrical, Mechanical, Metallurgical, Mining), Washington State University (Agricultural, Architectural, Chemical, Civil, Electrical, Mechanical, Metallurgical, Phy. Met)
- WEST VIRGINIA** .. West Virginia University (Aerospace, Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical, Mining)
- WISCONSIN** .. University of Wisconsin (Chemical, Civil, Electrical, Mechanical, Metallurgical, Mining), Marquette University (Civil, Electrical, Mechanical)
- WYOMING** .. University of Wyoming (Civil, Electrical, Mechanical)



ENGLISH LANGUAGE AND LITERATURE

ALABAMA	.. University of Alabama
ARIZONA	.. University of Arizona, Arizona State University
ARKANSAS	.. University of Arkansas
CALIFORNIA	.. University of California (Berkeley, Davis, Los Angeles), University of San Francisco, San Francisco State University, Stanford University, University of Southern California.
COLORADO	.. Colorado State University, University of Denver
CONNECTICUT	.. Yale University
DELAWARE	.. University of Delaware
COLUMBIA	.. The American University, Georgetown University, George Washington University.
FLORIDA	.. University of Florida, Florida State University, Uni- versity of Miami.
GEORGIA	.. University of Georgia
HAWAII	.. University of Hawaii
ILLINOIS	.. University of Illinois, North Western University, Roosevelt University, Northern Illinois University.
INDIANA	.. Indiana University, Purdue University
KANSAS	.. University of Kansas, Kansas State University
LOUISIANA	.. State University of Louisiana, Tulane University
MARYLAND	.. University of Maryland
MASSACHUSETTS	.. Boston University, Harvard University, Massachusetts Institute of Technology.
MICHIGAN	.. Michigan University, Wayne University, Michigan State University.
MINNESOTA	.. University of Minnesota
MISSOURI	.. Washington University
MONTANA	.. Montana State University
NEBRASKA	.. University of Nebraska
NEW HAMPSHIRE	.. University of New Hampshire
NEW JERSEY	.. Rutgers University
NEW YORK	.. New York State University (Buffalo), Columbia Uni- versity, Adelphi University, Cornell University, New York University, University of Rochester, Syracuse University.
NORTH CAROLINA	.. University of North Carolina, Duke University
OHIO	.. University of Cincinnati, Ohio University, Ohio State University, Western Reserve University.
OKLAHOMA	.. University of Oklahoma
OREGON	.. Oregon State University
PENNSYLVANIA	.. Pennsylvania State University, University of Penn- sylvania, University of Pittsburgh, Temple Uni- versity.
RHODE ISLAND	.. University of Rhode Island
TENNESSEE	.. University of Tennessee
TEXAS	.. University of Texas, University of Houston, Baylor University.



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|------------|---|
| UTAH | .. University of Utah, Utah State University |
| WASHINGTON | .. University of Washington, Washington State University. |
| WISCONSIN | .. University of Wisconsin, Wisconsin State University |

FOOD TECHNOLOGY

- | | |
|----------------|--|
| CALIFORNIA | .. University of California (Berkeley and Davis), Stanford University. |
| DELAWARE | .. University of Delaware |
| FLORIDA | .. University of Florida |
| GEORGIA | .. University of Georgia |
| ILLINOIS | .. University of Illinois, Illinois Institute of Technology |
| INDIANA | .. PURDUE UNIVERSITY |
| IOWA | .. Iowa State University |
| KANSAS | .. Kansas State University |
| MARYLAND | .. University of Maryland |
| MASSACHUSETTS | .. University of Massachusetts, Massachusetts Institute of Technology. |
| MISSOURI | .. University of Missouri |
| NEBRASKA | .. University of Nebraska |
| NEW YORK | .. Cornell University, New York State University, Syracuse University. |
| NORTH CAROLINA | .. University of North Carolina |
| OKLAHOMA | .. Oklahoma State University |
| OREGON | .. Oregon State University |
| PENNSYLVANIA | .. Pennsylvania State University |
| TENNESSEE | .. University of Tennessee |
| WASHINGTON | .. Washington State University |
| WISCONSIN | .. University of Wisconsin |

FISHERIES

(See MARINE BIOLOGY)

FORESTRY

- | | |
|-------------|--|
| ALABAMA | .. Auburn University |
| CALIFORNIA | .. University of California (Berkeley) |
| COLORADO | .. Colorado State University |
| CONNECTICUT | .. Yale University |
| FLORIDA | .. University of Florida |
| GEORGIA | .. University of Georgia |
| ILLINOIS | .. University of Illinois |
| INDIANA | .. Purdue University |
| IOWA | .. Iowa State University |
| LOUISIANA | .. Louisiana State University |
| MAINE | .. University of Maine |



MASSACHUSETTS	..	University of Massachusetts
MICHIGAN	..	Michigan State University, University of Michigan
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
MONTANA	..	Montana State University
NEW YORK	..	New York State University, College of Forestry (Syracuse).
NORTH CAROLINA	..	Duke University
OREGON	..	Oregon State University
UTAH	..	Utah State University
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University

FOUNDRY

ALABAMA	..	University of Alabama
CALIFORNIA	..	University of California
ILLINOIS	..	University of Illinois, Illinois Institute of Technology
INDIANA	..	Purdue University
KENTUCKY	..	University of Kentucky
MASSACHUSETTS	..	Massachusetts Institute of Technology
MICHIGAN	..	Michigan State University, University of Michigan
NEW YORK	..	Cornell University
OHIO	..	Ohio State University, University of Cincinnati
PENNSYLVANIA	..	Pennsylvania State University
WISCONSIN	..	University of Wisconsin

GEOGRAPHY

ARIZONA	..	Arizona State University
CALIFORNIA	..	University of California (Berkeley), Stanford University
ILLINOIS	..	University of Chicago, Illinois State University, Southern Illinois University
IOWA	..	University of Iowa
MASSACHUSETTS	..	Boston University, Clark University
MICHIGAN	..	Michigan State University, Eastern Michigan University, Wayne State University, Western Michigan University
MINNESOTA	..	University of Minnesota
MISSOURI	..	St. Louis University
NEW YORK	..	State University of New York (Buffalo), Syracuse University.
NORTH CAROLINA	..	Duke University
OHIO	..	University of Cincinnati, Ohio State University
PENNSYLVANIA	..	Pennsylvania State University, University of Pittsburgh
UTAH	..	University of Utah
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin



GAS TECHNOLOGY

- ILLINOIS .. Illinois Institute of Technology
 NEW YORK .. State University of New York (Stony Brook)

GEOLOGY

- ARIZONA .. University of Arizona
 CALIFORNIA .. University of California (Berkeley and Los Angeles),
 Stanford University.
 COLORADO .. University of Colorado
 CONNECTICUT .. University of Connecticut
 FLORIDA .. University of Florida, Florida State University
 GEORGIA .. University of Georgia
 ILLINOIS .. University of Illinois, Southern Illinois University
 INDIANA .. Indiana University
 IOWA .. University of Iowa
 KANSAS .. University of Kansas, Kansas State University
 MASSACHUSETTS .. Boston University, Clark University, Massachusetts
 Institute of Technology.
 MICHIGAN .. University of Michigan, Michigan State University
 MINNESOTA .. University of Minnesota
 MISSISSIPPI .. Mississippi State University
 MISSOURI .. University of Missouri
 NEBRASKA .. University of Nebraska
 NEW JERSEY .. Rutgers University
 NEW YORK .. New York State University (Albany, Stony Brook,
 Buffalo), Columbia University, Cornell University,
 University of Rochester, Hofstra University.
 NORTH CAROLINA .. Duke University, University of North Carolina
 NORTH DAKOTA .. University of North Dakota
 OHIO .. Ohio State University, Kent State University, Uni-
 versity of Cincinnati, Bowling Green State Uni-
 versity.
 OKLAHOMA .. University of Oklahoma, Oklahoma State University,
 University of Tulsa.
 OREGON .. University of Oregon, Oregon State University
 TEXAS .. University of Texas, University of Houston
 WASHINGTON .. University of Washington
 WEST VIRGINIA .. West Virginia University
 WISCONSIN .. University of Wisconsin
 WYOMING .. University of Wyoming

GEOPHYSICS

- ARIZONA .. University of Arizona
 CALIFORNIA .. University of California, Stanford University, Cali-
 fornia Institute of Technology
 ILLINOIS .. University of Chicago



KANSAS	..	Kansas State University
MASSACHUSETTS	..	Harvard University
MINNESOTA	..	University of Minnesota
NEW YORK	..	New York State University (Stony Brook)
OKLAHOMA	..	University of Oklahoma, Oklahoma State University, University of Tulsa.
PENNSYLVANIA	..	Pennsylvania State University
TEXAS	..	University of Houston, Texas A & M University
UTAH	..	University of Utah

GLASS TECHNOLOGY

ILLINOIS	..	Roosevelt University
NEW YORK	..	Alfred University
OHIO	..	University of Toledo

GUIDANCE & COUNSELLING

ARIZONA	..	Arizona State College
CALIFORNIA	..	San Francisco State College
COLUMBIA	..	George Washington University
GEORGIA	..	Atlanta University, The Fort Valley State College
ILLINOIS	..	Roosevelt University, Northern Illinois University
MASSACHUSETTS	..	Springfield College
MINNESOTA	..	University of Minnesota
NEBRASKA	..	Creighton University
NEW JERSEY	..	Fairleigh Dickinson University, Glassboro State College, Seton University.
NEW YORK	..	New York University, C. W. P. College (Long Island University), Columbia University, Fordham Uni- versity, State University College (Plattsburgh), State University of New York (Albany), Yeshiva Uni- versity.
NORTH DAKOTA	..	University of North Dakota
PENNSYLVANIA	..	Indiana State College, University of Scranton
RHODE ISLAND	..	Rhode Island College
TENNESSEE	..	Memphis State University, University of Tennessee
TEXAS	..	East Texas State College
VIRGINIA	..	Virginia State College

HISTORY

ALABAMA	..	Auburn University, University of Alabama
ARIZONA	..	University of Arizona
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	California Western University, Loma Linda Univer- sity, Loyola University of Los Angeles, Stanford University, University of California (Berkeley, Davis, Riverside, Santa Barbara), University of the Pacific, University of Santa Clara



COLORADO	..	University of Denver
DELAWARE	..	University of Delaware
COLUMBIA	..	The American University, The Catholic University of America, George Washington University, Georgetown University, Howard University
FLORIDA	..	Florida State University, Stetson University, University of Florida, University of Miami.
GEORGIA	..	Atlanta University, Emory University, University of Georgia
HAWAII	..	University of Hawaii
ILLINOIS	..	Bradley University, De Paul University, Eastern Illinois University, Loyola University, Northern Illinois University, North Western University, Roosevelt University, University of Illinois, Southern Illinois University
INDIANA	..	Butler University, De Pauw University, Indiana University, Purdue University, University of Notre Dame, Valparaiso University
IOWA	..	State University of Iowa
KANSAS	..	Kansas State University, University of Kansas, Wichita State University
KENTUCKY	..	University of Kentucky, University of Louisville
LOUISIANA	..	Louisiana State University, Tulane University, University of South Western Louisiana, Xavier University of Louisiana
MARYLAND	..	Johns Hopkins University, University of Maryland
MASSACHUSETTS	..	Boston University, Clark University, Harvard University, Tufts University, University of Massachusetts
MICHIGAN	..	Andrews University, Central Michigan University, Eastern Michigan University, University of Detroit, University of Michigan, Wayne State University, Western Michigan University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	Mississippi State University, University of Mississippi, University of Southern Mississippi
MISSOURI	..	Central Missouri State College, St. Louis University, University of Missouri, Washington University
NEBRASKA	..	Creighton University, University of Nebraska
NEW JERSEY	..	Fairleigh Dickinson University, Seton Hall University
NEW YORK	..	Columbia University, C. W. Post College (Long Island University), New York University, Niagara University, St. John University, State University of New York (Albany), University of Rochester
NORTH CAROLINA	..	Duke University, University of North Carolina (Greensboro)
NORTH DAKOTA	..	University of North Dakota
OHIO	..	John Carroll University, Kent State University, Ohio State University, University of Akron, University



	of Cincinnati, University of Dayton, Western Reserve University, Xavier University
OKLAHOMA	.. Oklahoma State University, University of Oklahoma, University of Tulsa
OREGON	.. Oregon State University, University of Oregon, University of Portland
PENNSYLVANIA	.. Duquesne University, Lehigh University, Pennsylvania State University, University of Pennsylvania, University of Pittsburgh, University of Scranton, Villanova University
RHODE ISLAND	.. Brown University, University of Rhode Island
SOUTH CAROLINA	.. University of South Carolina
TENNESSEE	.. East Tennessee State University, Memphis State University, University of Tennessee
TEXAS	.. Abilene Christian College, Baylor University, East Texas State College, Hardin-Simmons University, Midwestern University, North Texas State College, Rice University, Southern Methodist University, Southeast Texas State College, Texas Technological College, Trinity University, West Texas State University
UTAH	.. Brigham Young University, University of Utah
VERMONT	.. University of Vermont
VIRGINIA	.. University of Richmond, University of Virginia
WASHINGTON	.. Gonzaga University, University of Puget Sound, Washington State University
WEST VIRGINIA	.. Marshall University, West Virginia University
WISCONSIN	.. Marquette University, University of Wisconsin

HOME ECONOMICS (DOMESTIC SCIENCE)

ALABAMA	.. University of Alabama, Howard College
ARIZONA	.. Arizona State University
ARKANSAS	.. University of Arkansas
CALIFORNIA	.. University of California, California State Poly. College
HAWAII	.. University of Hawaii
ILLINOIS	.. University of Illinois, Northwestern University
INDIANA	.. Indiana University
IOWA	.. University of Iowa
KANSAS	.. Fort Hays Kansas State College
MAINE	.. University of Maine
MASSACHUSETTS	.. University of Massachusetts
MICHIGAN	.. Michigan State University, Western Michigan University
MINNESOTA	.. University of Minnesota
MISSISSIPPI	.. University of Mississippi, Mississippi State College
MONTANA	.. Montana State University
NEW YORK	.. Cornell University, Syracuse University



OHIO	..	Ohio University, University of Cincinnati
OREGON	..	Oregon State University
PENNSYLVANIA	..	Pennsylvania State University, Temple University
TENNESSEE	..	University of Tennessee, Tennessee Technical University
TEXAS	..	University of Houston
VIRGINIA	..	University of Virginia (Mary Washington College)
WASHINGTON	..	University of Washington, Washington State University
WEST VIRGINIA	..	West Virginia University
WYOMING	..	University of Wyoming

HORTICULTURE

CALIFORNIA	..	University of California (Davis), California State Poly. College
COLORADO	..	Colorado State University
DELAWARE	..	University of Delaware
FLORIDA	..	University of Florida
ILLINOIS	..	Southern Illinois University
INDIANA	..	Indiana University
MICHIGAN	..	Michigan State University
MISSOURI	..	University of Missouri
NEW HAMPSHIRE	..	University of New Hampshire
NEW YORK	..	Cornell University, New York State University (Farmingdale and Morrisville)
NORTH CAROLINA	..	North Carolina State University
OHIO	..	Ohio State University
OKLAHOMA	..	Oklahoma State University
PENNSYLVANIA	..	Pennsylvania State University
UTAH	..	Utah State University
WASHINGTON	..	Washington State University
WISCONSIN	..	University of Wisconsin

HOSPITAL ADMINISTRATION

COLUMBIA	..	George Washington University
ILLINOIS	..	University of Chicago, Northwestern University
IOWA	..	University of Iowa
MICHIGAN	..	University of Michigan, Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	Washington University
NEW YORK	..	Cornell University, Long Island University
NORTH CAROLINA	..	Duke University
PENNSYLVANIA	..	University of Pittsburgh
TEXAS	..	Baylor University
VIRGINIA	..	Medical College of Virginia



HOTEL ADMINISTRATION

ALABAMA	..	University of Alabama, Auburn University
ARIZONA	..	University of Arizona
CALIFORNIA	..	City College of San Francisco
COLORADO	..	University of Denver
CONNECTICUT	..	University of Connecticut
FLORIDA	..	Florida State University
GEORGIA	..	Woman's College of Georgia
ILLINOIS	..	University of Illinois
INDIANA	..	Indiana University, Purdue University
IOWA	..	Iowa State University
KANSAS	..	Kansas State University
MAINE	..	University of Maine
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, University of Massachusetts
MICHIGAN	..	Michigan State University, Wayne State University
NEW YORK	..	Cornell University, Rochester Institute of Technology, Syracuse University
NORTH DAKOTA	..	University of North Dakota
OHIO	..	Ohio University, Ohio State University, University of Cincinnati
OKLAHOMA	..	University of Oklahoma, Oklahoma State University
OREGON	..	Oregon State University
PENNSYLVANIA	..	University of Pittsburgh, Temple University
TEXAS	..	University of Texas, University of Houston
UTAH	..	Utah State University, University of Utah
WASHINGTON	..	University of Washington, Washington State University
WISCONSIN	..	University of Wisconsin, Milwaukee Institute of Technology

INDUSTRIAL HYGIENE

MASSACHUSETTS	..	Harvard University
MICHIGAN	..	Wayne State University
NEW YORK	..	Columbia University
PENNSYLVANIA	..	University of Pittsburgh

INDUSTRIAL MANAGEMENT

CALIFORNIA	..	University of California (Berkeley)
ILLINOIS	..	Roosevelt University, Illinois Institute of Technology
INDIANA	..	Purdue University
MASSACHUSETTS	..	Boston University, Massachusetts Institute of Technology
MICHIGAN	..	Michigan State University



NEW JERSEY	..	Fairleigh Dickinson University
NEW YORK	..	Long Island University (Brookville, C. W. Post College)
OHIO	..	University of Akron, University of Cincinnati
PENNSYLVANIA	..	Carnegie Institute of Technology
VIRGINIA	..	Virginia State College

INTERNATIONAL RELATIONS

CALIFORNIA	..	University of California, California State University (Los Angeles), University of the Pacific, University of Redlands, University of Southern California, Stanford University
COLORADO	..	University of Colorado, University of Denver
CONNECTICUT	..	Yale University
DELAWARE	..	University of Delaware
COLUMBIA	..	The American University, George Washington University
FLORIDA	..	Florida State University
ILLINOIS	..	University of Chicago
INDIANA	..	Purdue University
KANSAS	..	University of Kansas
KENTUCKY	..	University of Kentucky, University of Louisiana
LOUISIANA	..	Louisiana State University
MARYLAND	..	Johns Hopkins University, Washington University
MASSACHUSETTS	..	Boston University, Clark University, Harvard University, Tufts University
MICHIGAN	..	University of Detroit, Wayne State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	WASHINGTON University
NEW JERSEY	..	Princeton University
NEW YORK	..	Columbia University, Cornell University, New York State University (Stony Brook), Syracuse University
NORTH CAROLINA	..	Duke University, University of North Carolina
OHIO	..	University of Cincinnati
PENNSYLVANIA	..	University of Pennsylvania, Lehigh University
RHODE ISLAND	..	Brown University
SOUTH CAROLINA	..	University of South Carolina
VIRGINIA	..	University of Virginia
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming

JOURNALISM

ALABAMA	..	University of Alabama
CALIFORNIA	..	Stanford University, San Jose State College
COLORADO	..	University of Colorado
FLORIDA	..	University of Florida



GEORGIA	..	University of Georgia
ILLINOIS	..	University of Illinois, Southern Illinois University, Northwestern University
INDIANA	..	Indiana University
IOWA	..	State University of Iowa
KANSAS	..	Kansas State University, University of Kansas
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Louisiana State University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University
MICHIGAN	..	University of Michigan, Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NEW JERSEY	..	Rutgers University
NEW YORK	..	Columbia University, Syracuse University
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Ohio State University, Ohio University
OKLAHOMA	..	University of Oklahoma, Oklahoma State University
OREGON	..	University of Oregon
SOUTH CAROLINA	..	University of South Carolina
SOUTH DAKOTA	..	South Dakota State College (A & M)
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas, Texas A & M University
UTAH	..	University of Utah
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin, Marquette University

LABOUR WELFARE (Industrial Relations)

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California, University of San Francisco
FLORIDA	..	University of Florida
GEORGIA	..	University of Georgia
HAWAII	..	University of Hawaii
IOWA	..	University of Iowa
MASSACHUSETTS	..	Boston University
MICHIGAN	..	Michigan State University
MISSOURI	..	St. Louis University
NEW YORK	..	New York State University (Albany, Buffalo, Cornell), Syracuse University
NORTH CAROLINA	..	University of North Carolina
OKLAHOMA	..	University of Oklahoma
PENNSYLVANIA	..	Pennsylvania State University
UTAH	..	Utah State University



LAW

ALABAMA	..	University of Alabama
ARIZONA	..	University of Arizona
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	Loyola University, Stanford University, University of California (Berkeley, Los Angeles, San Francisco), University of San Francisco, University of Santa Clara, University of Southern California
COLORADO	..	University of Colorado, University of Denver
CONNECTICUT	..	University of Connecticut, Yale University
COLUMBIA	..	The American University, Catholic University of America, George Washington University, Georgetown University, Howard University
FLORIDA	..	University of Florida, University of Miami, Stetson University
GEORGIA	..	University of Georgia, Emory University, Mercer University
ILLINOIS	..	University of Illinois, University of Chicago, Loyola University, Northwestern University, DePaul University
INDIANA	..	Indiana University, University of Notre Dame
IOWA	..	State University of Iowa, Drake University
KANSAS	..	University of Kansas
KENTUCKY	..	University of Kentucky, University of Louisville
LOUISIANA	..	Louisiana State University, Tulane University, Loyola University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Harvard University
MICHIGAN	..	University of Michigan, University of Detroit, Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri, Washington University, St. Louis University
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska, Creighton University
NEW JERSEY	..	Rutgers University
NEW YORK	..	Columbia University, Cornell University, New York University, Fordham University, St. John University, Syracuse University, New York State University (Buffalo), Union University
NORTH CAROLINA	..	University of North Carolina, Duke University
NORTH DAKOTA	..	University of North Dakota
OHIO	..	Ohio State University, University of Cincinnati, University of Toledo, Western Reserve University
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon, Willamette University



PENNSYLVANIA	..	University of Pennsylvania, Temple University, Villanova University
SOUTH CAROLINA	..	University of South Carolina
SOUTH DAKOTA	..	State University of South Dakota
TENNESSEE	..	University of Tennessee, Vanderbilt University
TEXAS	..	University of Texas, Baylor University, Southern Methodist University, St. Mary's University (San Antonio)
UTAH	..	University of Utah
VIRGINIA	..	University of Virginia, University of Richmond
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin, Marquette University
WYOMING	..	University of Wyoming

LEATHER TECHNOLOGY

MASSACHUSETTS	..	Lowell Technological Institute
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LIBRARIANSHIP

CALIFORNIA	..	University of California (Berkeley and Los Angeles), University of South Carolina
COLORADO	..	University of Denver
COLUMBIA	..	Catholic University of America
FLORIDA	..	Florida State University
GEORGIA	..	Atalanta University, Emory University
ILLINOIS	..	University of Illinois, University of Chicago
INDIANA	..	Indiana University
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Louisiana State University
MICHIGAN	..	University of Michigan, Western Michigan University
MINNESOTA	..	University of Minnesota
NEW JERSEY	..	Rutgers University
NEW YORK	..	Columbia University, Syracuse University
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Western Reserve University
OKLAHOMA	..	University of Oklahoma
PENNSYLVANIA	..	Drexel Institute of Technology
TENNESSEE	..	George Peabody College for Teachers
TEXAS	..	University of Texas, Texas Woman's University
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

LINGUISTICS

CALIFORNIA	..	University of California (Berkeley and Los Angeles), University of Pacific, University of Southern California
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CONNECTICUT	..	Yale University
COLUMBIA	..	The American University, Georgetown University
ILLINOIS	..	University of Chicago, University of Illinois
INDIANA	..	Indiana University
LOUISIANA	..	Lousiana State University
MASSACHUSETTS	..	Harvard University
MICHIGAN	..	University of Michigan
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri (Kansas City)
NEW YORK	..	New York State University (Buffalo, Binghamton), Columbia University, Cornell University
PENNSYLVANIA	..	University of Pennsylvania
RHODE ISLAND	..	Brown University
TEXAS	..	University of Texas
WISCONSIN	..	University of Wisconsin

MARINE BIOLOGY AND FISHERIES

ALABAMA	..	Auburn University
CALIFORNIA	..	University of California, Stanford University
CONNECTICUT	..	Yale University
DELAWARE	..	University of Delaware
FLORIDA	..	Florida State University, University of Miami
HAWAII	..	University of Hawaii
INDIANA	..	Indiana University
LOUISIANA	..	Louisiana State University
MASSACHUSETTS	..	Boston University, Harvard University, University of Massachusetts
MICHIGAN	..	University of Michigan
MISSOURI	..	University of Missouri
NEW YORK	..	Cornell University, New York State University (Stony Brook)
NORTH CAROLINA	..	Duke University
OREGON	..	Oregon State University
RHODE ISLAND	..	University of Rhode Island
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

MARKETING RESEARCH

ALABAMA	..	University of Alabama
ARIZONA	..	University of Arizona
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	University of California (Berkeley and Los Angeles), University of Southern California, Stanford Uni- versity



COLORADO	..	University of Colorado, University of Denver
FLORIDA	..	University of Florida, University of Miami
GEORGIA	..	University of Georgia, Emory University
ILLINOIS	..	University of Illinois, North Western University
INDIANA	..	Indiana University
IOWA	..	State University of Iowa
KANSAS	..	University of Kansas
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Louisiana State University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Northern University
MICHIGAN	..	University of Detroit, University of Michigan, Michigan State University, Wayne State University
MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri, St. Louis University, Washington University
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NEW JERSEY	..	Fairleigh Dickinson University, Rutgers University
NEW YORK	..	New York State University (Albany and Alfred), Columbia University, Cornell University, Hofstra University, New York University, Long Island University, Syracuse University
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Ohio State University, Cincinnati University, Miami University, University of Toledo
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon
PENNSYLVANIA	..	University of Pennsylvania, University of Pittsburgh, Lehigh University, Temple University
SOUTH DAKOTA	..	University of South Dakota
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas
UTAH	..	University of Utah
WASHINGTON	..	University of Washington, Washington State University
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin

MATHEMATICS

Alabama	..	University of Alabama, Auburn University
ARIZONA	..	University of Arizona, Arizona State University
CALIFORNIA	..	University of California, California Institute of Technology, University of Southern California, Stanford University
COLORADO	..	University of Colorado, University of Denver
CONNECTICUT	..	Yale University, University of Connecticut



FLORIDA	..	Florida State University, University of Florida, University of Miami
GEORGIA	..	University of Georgia
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Illinois, Illinois State University, University of Chicago, Illinois Institute of Technology, Illinois University (Northern, Southern, Eastern & Western)
INDIANA	..	Indiana University, Indiana State University, Purdue University
IOWA	..	University of Iowa
KANSAS	..	University of Kansas, Kansas State University
KENTUCKY	..	University of Kentucky
LOUISIANA	..	University of Louisiana, Louisiana State University, Southern University, Southwestern University, Tulane University
MAINE	..	University of Maine
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Clark University, University of Massachusetts, Massachusetts Institute of Technology, Harvard University, Tufts University
MICHIGAN	..	University of Michigan, Michigan State University, Wayne State University, University of Detroit
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi, Mississippi State University, University of Southern Mississippi
MISSOURI	..	University of Missouri, St. Louis University, Washington University
MONTANA	..	University of Montana, Montana State University
NEBRASKA	..	University of Nebraska, Creighton University
NEW HAMPSHIRE	..	University of New Hampshire
NEW JERSEY	..	Princeton University, Rutgers University, Fairleigh Dickinson University
NEW YORK	..	Columbia University, Cornell University, Fordham University, Hofstra University, New York University, New York State University (Buffalo, Oswego, Stony Brook), University of Rochester, St. John's University, Syracuse University, Yeshiva University
NORTH CAROLINA	..	University of North Carolina, North Carolina State University, Duke University
OHIO	..	University of Ohio, Ohio State University, Bowling Green University, University of Cincinnati, Miami University
OKLAHOMA	..	University of Oklahoma, Oklahoma State University, University of Tulsa
OREGON	..	University of Oregon, Oregon State University
PENNSYLVANIA	..	Pennsylvania State University, University of Pittsburgh, Temple University, Duquesne University
RHODE ISLAND	..	Brown University



SOUTH CAROLINA	..	University of South Carolina
SOUTH DAKOTA	..	University of South Dakota
TENNESSEE	..	East Tennessee State University
TEXAS	..	University of Texas, University of Houston, Baylor University, Texas A & M University
UTAH	..	University of Utah
VIRGINIA	..	University of Richmond
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin, Marquette University
WYOMING	..	University of Wyoming

MEDICINE

(There are 84 Medical Schools in America. Medical course covers 4 years leading to the M.D. Degree after 4 years of College work with Chemistry, Physics and Biology. All medical school graduates have at least a year's internship training in a hospital approved by the Council on Medical Education and Hospitals of the American Medical Association. There are speciality boards for graduate training in the fields of graduate medical education). Medical Colleges, units of the following Universities.

ALABAMA	..	University of Alabama
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	University of California (San Francisco, Los Angeles), University of Southern California, Stanford University, Loma Linda University, California College of Medicine
COLORADO	..	University of Colorado
CONNECTICUT	..	Yale University
COLUMBIA	..	George Washington University, Georgetown University, Howard University
FLORIDA	..	University of Florida, University of Miami
GEORGIA	..	Emory University, Medical College of Georgia
ILLINOIS	..	Chicago Medical School, Loyola University, Northwestern University, University of Chicago, University of Illinois
INDIANA	..	Indiana University
IOWA	..	State University of Iowa
KANSAS	..	University of Kansas
KENTUCKY	..	University of Louisville
LOUISIANA	..	Louisiana State University, Tulane University
MARYLAND	..	Johns Hopkins University, University of Maryland
MASSACHUSETTS	..	Boston University, Harvard Medical School, Tufts University
MICHIGAN	..	University of Michigan, Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi



MISSOURI	..	St. Louis University, University of Missouri, Washington University
NEBRASKA	..	Creighton University, University of Nebraska
NEW JERSEY	..	Seton Hall College of Medicine
NEW YORK	..	Albany Medical College, Albert Einstein College of Medicine, Columbia University, Cornell University, New York Medical College, State University of New York (Brooklyn, Syracuse, Buffalo), University of Rochester
NORTH CAROLINA	..	Duke University, University of North Carolina, Wake Forest College (Winston-Salem)
OHIO	..	Ohio State University, University of Cincinnati, Western Reserve University
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon
PUERTO RICO	..	University of Puerto Rico
SOUTH CAROLINA	..	Medical College of South Carolina
TENNESSEE	..	Meharry Medical College, University of Tennessee, Vanderbilt University
TEXAS	..	Baylor University, University of Texas, University of Texas South-Western Medical School
UTAH	..	University of Utah
VERMONT	..	University of Vermont
VIRGINIA	..	Medical College of Virginia, University of Virginia
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	Marquette University, University of Wisconsin

METALLURGY

ALABAMA	..	University of Alabama, University of Arizona
COLORADO	..	University of Denver
CONNECTICUT	..	Yale University
DELAWARE	..	University of Delaware
IOWA	..	Iowa State University
MARYLAND	..	University of Maryland
MICHIGAN	..	Michigan State University
MINNESOTA	..	University of Minnesota
NEW YORK	..	Syracuse University
OHIO	..	Case Institute of Technology
OKLAHOMA	..	Oklahoma City University
PENNSYLVANIA	..	Pennsylvania State University, Drexel Institute of Technology
UTAH	..	University of Utah
WASHINGTON	..	Washington State University



METEOROLOGY

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California
FLORIDA	..	Florida State University
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Illinois, University of Chicago
MASSACHUSETTS	..	Massachusetts Institute of Technology
MICHIGAN	..	University of Michigan
MISSOURI	..	St. Louis University
NEW JERSEY	..	Rutgers University
NEW YORK	..	New York University, Syracuse University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
PENNSYLVANIA	..	Pennsylvania State University
TEXAS	..	University of Texas, Texas A & M University
UTAH	..	University of Utah
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

MICROBIOLOGY

FLORIDA	..	University of Miami
GEORGIA	..	Medical College of Georgia
LOUISIANA	..	Louisiana State University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
NORTH CAROLINA	..	Duke University

MOTION PICTURES

(Cinematography)

CALIFORNIA	..	University of California, University of Southern California, California School of Fine Arts
FLORIDA	..	University of Miami
IOWA	..	University of Iowa
MASSACHUSETTS	..	Boston University
NEW YORK	..	New York University, Columbia University, Rochester Institute of Technology
NORTH CAROLINA	..	University of North Carolina
SOUTH CAROLINA	..	Bob Jones University

MONTESSORI EDUCATIONAL PLAN

ILLINOIS	..	Montessori Teacher Training Centre (Mid West)
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MUSEUM STUDIES

CONNECTICUT	..	Yale University
DELAWARE	..	University of Delaware
MASSACHUSETTS	..	Harvard University
NEW YORK	..	Columbia University, University of New York

NUCLEAR ENGINEERING

CALIFORNIA	..	University of California (Berkeley)
CONNECTICUT	..	University of Connecticut
DELAWARE	..	University of Delaware
GEORGIA	..	Georgia Institute of Technology
ILLINOIS	..	Illinois Institute of Technology
IOWA	..	University of Iowa
KANSAS	..	Kansas State University
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Louisiana State University
MASSACHUSETTS	..	Massachusetts Institute of Technology
MISSISSIPPI	..	Mississippi State University
NAVADA	..	University of Nevada
NEW YORK	..	New York University, Columbia University
OHIO	..	Ohio University
OKLAHOMA	..	University of Oklahoma
PENNSYLVANIA	..	Pennsylvania State University, Carnegie Institute of Technology
TENNESSEE	..	University of Tennessee
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

NURSERY EDUCATION (KINDERGARTEN)

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California, California State University (Los Angeles), California Centre for Early Education
DELAWARE	..	University of Delaware
FLORIDA	..	Florida State University
HAWAII	..	University of Hawaii
ILLINOIS	..	Illinois State University, Chicago Training College, Illinois University (North-Western, Southern, Western)
INDIANA	..	Purdue University
IOWA	..	Iowa State University
LOUISIANA	..	Louisiana State University, University of South-Western Louisiana



MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Tufts University
MICHIGAN	..	Michigan State University, Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	Mississippi State College for Women
NEBRASKA	..	University of Nebraska
NEW YORK	..	Columbia University, New York University, Long Island University, Syracuse University, St. Joseph's College for Women, New York State University (Buffalo, Oswego, Brockton, New Paltz, Geneseo, Cortland, Cobbskill, Oneonta)
NORTH CAROLINA	..	University of North Carolina
OHIO	..	University of Akron, University of Cincinnati, Ohio University, Ohio State University
PENNSYLVANIA	..	State University of Pennsylvania
WISCONSIN	..	University of Wisconsin, Wisconsin State University

NURSING

ALABAMA	..	University of Alabama, Tuskegee Institution
ARIZONA	..	University of Arizona, Arizona State University
ARKANSAS	..	University Arkansas
CALIFORNIA	..	University of California (Los Angeles, San Francisco), Loma Linda University, Stanford University, University of San Francisco
COLORADO	..	University of Colorado
CONNECTICUT	..	University of Connecticut, Yale University, University of Bridgeport
COLUMBIA	..	Georgetown University, Catholic University of America
FLORIDA	..	University of Florida, Florida State University
GEORGIA	..	Emory University, Medical College of Georgia
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Illinois, De Paul University, Illinois Wesleyan University, Loyola University
INDIANA	..	De Paul University, Indiana University
IOWA	..	State University of Iowa
KANSAS	..	University of Kansas
KENTUCKY	..	Catherine Spalding College, Berea College
LOUISIANA	..	Louisiana State University, Dillard University, University of South-Western Louisiana
MARYLAND	..	University of Maryland, Columbia Union College
MASSACHUSETTS	..	Boston University, University of Massachusetts, Simmons College
MICHIGAN	..	University of Michigan, Michigan State University, Wayne State University
MINNESOTA	..	University of Minnesota, College of St. Catherine, College of St. Teresa



MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri, St. Louis University, Washington University
NEVADA	..	University of Nevada
NEW JERSEY	..	Rutgers University, Seton Hall University
NEW MEXICO	..	University of New Mexico
NEW YORK	..	Adelphi University, Columbia University, Cornell University, New York University, Long Island University, State University of New York (Buffalo), Syracuse University, University of Rochester
NORTH CAROLINA	..	University of North Carolina, Duke University
NORTH DAKOTA	..	University of North Dakota
OHIO	..	Ohio State University, Capital University, University of Cincinnati, Western Reserve University
OKLAHOMA	..	University of Oklahoma, Oklahoma Baptist University
OREGON	..	University of Oregon, University of Portland
PENNSYLVANIA	..	Duquesne University, University of Pennsylvania, University of Pittsburgh, Villanova University
PUERTO RICO	..	University of Puerto Rico
RHODE ISLAND	..	University of Rhode Island
SOUTH CAROLINA	..	University of South Carolina
TENNESSEE	..	University of Tennessee, Vanderbilt University
TEXAS	..	University of Texas, Texas Woman's University, Texas Christian University
UTAH	..	University of Utah, Brigham Young University
VERMONT	..	University of Vermont
VIRGINIA	..	University of Virginia
WASHINGTON	..	University of Washington, Seattle University
WISCONSIN	..	University of Wisconsin, Marquette University
WYOMING	..	University of Wyoming

OCEANOGRAPHY

CALIFORNIA	..	University of California, Humboldt State College
FLORIDA	..	University of Miami
MARYLAND	..	Johns Hopkins University
MASSACHUSETTS	..	Boston University, Harvard University, Massachusetts Institute of Technology
MICHIGAN	..	University of Michigan
NEW YORK	..	Columbia University, New York University, New York State University (Stony Brook)
OREGON	..	Oregon State University
RHODE ISLAND	..	University of Rhode Island
TEXAS	..	Texas A & M University
WASHINGTON	..	University of Washington



OPERATIONAL RESEARCH

CALIFORNIA	..	University of California (Berkeley), Stanford University
MARYLAND	..	Johns Hopkins University
MASSACHUSETTS	..	Massachusetts Institute of Technology
NEW YORK	..	New York University, Cornell University
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Case Institute of Technology
OKLAHOMA	..	University of Oklahoma

OPTOMETRY

CALIFORNIA	..	University of California, Los Angeles College of Optometry
ILLINOIS	..	Illinois College of Optometry
INDIANA	..	Indiana University
MASSACHUSETTS	..	Massachusetts College of Optometry
OHIO	..	Ohio State University
OREGON	..	Pacific University
PENNSYLVANIA	..	Pennsylvania State College of Optometry
TENNESSEE	..	Southern College of Optometry
TEXAS	..	University of Houston

PAPER TECHNOLOGY

ALABAMA	..	University of Alabama
FLORIDA	..	University of Florida
MAINE	..	University of Maine
MASSACHUSETTS	..	Massachusetts Institute of Technology, Lowell Technological Institution
MICHIGAN	..	Western Michigan University
NEW YORK	..	New York State College of Forestry
NORTH CAROLINA	..	North Carolina State College
OHIO	..	Miami University
OREGON	..	Oregon State University
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	The Institute of Paper Chemistry (Lowrence University)

PARASITOLOGY

CALIFORNIA	..	University of California (Berkeley, Davis)
MASSACHUSETTS	..	Boston University
MICHIGAN	..	Wayne State University



PHARMACY

ALABAMA	..	Auburn University
ARIZONA	..	University of Arizona
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	University of California (San Francisco), University of the Pacific, University of Southern California
COLORADO	..	University of Colorado
CONNECTICUT	..	University of Connecticut
COLUMBIA	..	George Washington University, Howard University
FLORIDA	..	University of Florida, Florida A & M University
GEORGIA	..	University of Georgia, Mercer University
ILLINOIS	..	University of Illinois
INDIANA	..	Butler University, Purdue University
IOWA	..	State University of Iowa, Drake University
KANSAS	..	University of Kansas
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Loyola University, Xavier University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Northeast University
MICHIGAN	..	University of Michigan, Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska, Creighton University
NEW JERSEY	..	Rutgers University
NEW YORK	..	Columbia University, Fordham University, Long Island University, State University of New York (Buffalo)
NORTH CAROLINA	..	University of North Carolina
NORTH DAKOTA	..	North Dakota State University
OHIO	..	Ohio State University, University of Cincinnati, University of Toledo, Ohio Northern University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
PENNSYLVANIA	..	Duquesne University, Temple University, University of Pittsburgh
SOUTH CAROLINA	...	University of South Carolina
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas, University of Houston
UTAH	..	University of Utah
WASHINGTON	..	University of Washington, Washington State University
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming



PHILOSOPHY

CALIFORNIA	..	University of California, Stanford University
COLORADO	..	University of Colorado
CONNECTICUT	..	Yale University, University of Connecticut
COLUMBIA	..	Georgetown University
FLORIDA	..	University of Miami
ILLINOIS	..	University of Chicago, University of Illinois, Northwestern University
INDIANA	..	Indiana University
LOUISIANA	..	Tulane University
MASSACHUSETTS	..	Boston University, Clark University
MICHIGAN	..	University of Michigan, Michigan State University
MINNESOTA	..	University of Minnesota
NEW JERSEY	..	Princeton University
NEW YORK	..	New York State University (Albany, Buffalo, Stony Brook, Brooklyn), Columbia University, Cornell University, New York University, University of Rochester, Hofstra University, Syracuse University
OHIO	..	Ohio State University, University of Cincinnati
OKLAHOMA	..	University of Oklahoma
PENNSYLVANIA	..	University of Pennsylvania, Duquesne University
RHODE ISLAND	..	Brown University
UTAH	..	University of Utah
VIRGINIA	..	University of Virginia
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

PHILOLOGY

CALIFORNIA	..	University of California, San Francisco College for Women.
COLUMBIA	..	George Washington University, Howard University
FLORIDA	..	University of Miami
ILLINOIS	..	University of Illinois
MARYLAND	..	University of Maryland, Johns Hopkins University
MASSACHUSETTS	..	Boston University, Clark University, Harvard University
MICHIGAN	..	University of Michigan
NEVADA	..	University of Nevada
NEW JERSEY	..	Princeton University
NEW YORK	..	Hofstra University, Syracuse University
NORTH CAROLINA	..	Duke University
OKLAHOMA	..	Oklahoma State University
OREGON	..	Oregon State University



- PENNSYLVANIA .. University of Pennsylvania, Pennsylvania State University
 WASHINGTON .. University of Washington

PRINTING AND GRAPHIC ARTS

- ALABAMA .. Alabama A & M University, Tuskegee Institute
 ARKANSAS .. John Brown University
 CALIFORNIA .. California State Polytechnic College, California State University (Los Angeles), San Francisco State College, San Jose State College
 COLORADO .. Colorado State University, Colorado State College
 CONNECTICUT .. Yale University, Central Connecticut State College
 FLORIDA .. University of Miami, Florida A & M University
 ILLINOIS .. Illinois State University, Northern Illinois University, North Western University, Eastern Illinois University, Southern Illinois University
 INDIANA .. Indiana University, Indiana State University, Ball State University, Butler University
 IOWA .. University of Iowa, Iowa State University
 KANSAS .. Kansas State College (Pittsburgh), Kansas State Training College (Emporia)
 LOUISIANA .. Southern University
 MAINE .. Gorham State Training College
 MARYLAND .. University of Maryland
 MASSACHUSETTS .. Boston University, State Training College (Fitchburg)
 MICHIGAN .. Western Michigan University, Wayne State University, Ferris State College
 MINNESOTA .. University of Minnesota, Minneapolis School of Art
 MISSOURI .. University of Missouri, Lincoln University
 NEW JERSEY .. Newark State College, Trenton State College
 NEW YORK .. New York University, Syracuse University, New York State University (Stony Brook), New York State University College (Buffalo, Oswego), Rochester Institute of Technology
 NORTH DAKOTA .. University of North Dakota
 OHIO .. Ohio University, Ohio State University, Miami University, University of Dayton, Bowling Green State University, Kent State University
 OKLAHOMA .. Oklahoma State University
 OREGON .. University of Oregon
 PENNSYLVANIA .. Carnegie Institute of Technology, California State College
 SOUTH DAKOTA .. South Dakota State University
 TENNESSEE .. George Peabody College for teachers
 TEXAS .. University of Houston, University of Texas, Texas Southern University, Texas A & M University



VIRGINIA	..	Virginia Polytechnic Institute
WASHINGTON	..	University of Washington, Clark University
WEST VIRGINIA	..	West Virginia Institute of Technology
WISCONSIN	..	Milwaukee Institute of Technology, Wisconsin State College (Platteville)

PHYSICAL EDUCATION

ALABAMA	..	Auburn University
ARIZONA	..	Arizona State University
CALIFORNIA	..	California State University (Los Angeles)
COLORADO	..	University of Colorado
FLORIDA	..	University of Florida, Florida State University, University of Miami
GEORGIA	..	University of Georgia
ILLINOIS	..	University of Illinois, Illinois State University, Illinois University (Northern, Southern, Eastern & Western)
INDIANA	..	Indiana University, Purdue University
IOWA	..	University of Iowa
KANSAS	..	Kansas State University
MAINE	..	University of Maine
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Springfield College
MICHIGAN	..	University of Michigan, Michigan State University, Wayne University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	Mississippi State University
MISSOURI	..	University of Missouri
NEW YORK	..	New York University, New York State University (Buffalo, Geneseo), Long Island University, New York State University College of Education (Brook Port, Cortland)
NORTH CAROLINA	..	Duke University
OHIO	..	Ohio University, Ohio State University, Miami University, University of Cincinnati, Bowling Green State University
OKLAHOMA	..	Oklahoma State University
OREGON	..	Oregon State University, University of Oregon
PENNSYLVANIA	..	Pennsylvania State University, Temple University
TENNESSEE	..	University of Tennessee, Tennessee Technical University
TEXAS	..	University of Texas, University of Houston
UTAH	..	University of Utah, Utah State University
WASHINGTON	..	Eastern Washington State College
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	Wisconsin State College (La Crosse)



PHYSICS

ALABAMA	..	University of Alabama
CALIFORNIA	..	University of California, California Institute of Technology, Stanford University
COLORADO	..	University of Colorado,
CONNECTICUT	..	Yale University, University of Connecticut
FLORIDA	..	University of Florida, Florida State University
ILLINOIS	..	University of Illinois, University of Chicago, Illinois Institute of Technology, Western Illinois University
INDIANA	..	Indiana University, Purdue University
KANSAS	..	Kansas State University
KENTUCKY	..	University of Louisville
LOUISIANA	..	Louisiana State University, Tulane University
MASSACHUSETTS	..	Massachusetts Institute of Technology, Harvard University, Northeastern University
MICHIGAN	..	University of Michigan, Michigan State University, Wayne University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
NEW JERSEY	..	Princeton University, Rutgers University
NEW YORK	..	Columbia University, Cornell University, New York State University (Albany, Buffalo, New Paltz, Pattsburgh, Stony Brook), Hofstra University, Fordham University, University of Rochester, Syracuse University
NORTH CAROLINA	..	Duke University
OHIO	..	Ohio State University, Case Institute of Technology, University of Cincinnati
OKLAHOMA	..	University of Oklahoma, Oklahoma State University
OREGON	..	University of Oregon, Oregon State University
PENNSYLVANIA	..	University of Pennsylvania, Pennsylvania State University, Carnegie Institute of Technology, Drexel Institute of Technology
RHODE ISLAND	..	Brown University
TENNESSEE	..	Tennessee Technical University
TEXAS	..	University of Texas, University of Houston
UTAH	..	University of Utah
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

PHYSICAL THERAPY

CALIFORNIA	..	Univ. of California (San Francisco), Southern California Univ., Loma Linda Univ., Stanford Univ.
COLORADO	..	Univ. of Colorado
CONNECTICUT	..	Univ. of Connecticut



FLORIDA	.. Univ. of Florida
ILLINOIS	.. North Western Univ.
INDIANA	.. Indiana Univ.
IOWA	.. State Univ. of Iowa
KANSAS	.. Univ. of Kansas
MARYLAND	.. Univ. of Maryland
MASSACHUSETTS	.. Boston Univ., Simmons College, Boston
MICHIGAN	.. Michigan University
MINNESOTA	.. Univ. of Minnesota, Mankato State College
MISSOURI	.. Washington Univ., St. Loui Univ.
NEW YORK	.. New York State Univ. (Buffalo), New York Univ., Columbia Univ.
NORTH CAROLINA	.. Univ. of North Carolina, Duke Univ.
OHIO	.. Ohio State Univ., Western Reserve Univ.
OKLAHOMA	.. Univ. of Oklahoma
PENNSYLVANIA	.. Univ. of Pennsylvania
TEXAS	.. Univ. of Texas (Galveston), Baylor Univ.
VIRGINIA	.. Medical College of Virginia
WASHINGTON	.. Univ. of Washington
WISCONSIN	.. Univ. of Wisconsin, Marquette Univ.

PHYSIOLOGY

CALIFORNIA	.. University of California, Stanford University
GEORGIA	.. University of Georgia
ILLINOIS	.. University of Illinois, Chicago University, Southern Illinois University
KANSAS	.. University of Kansas
MICHIGAN	.. Michigan State University
NEBRASKA	.. University of Nebraska
NEW YORK	.. New York State University (Buffalo, Stony Brook)
OHIO	.. Ohio State University
OKLAHOMA	.. Oklahoma State University

POLITICAL SCIENCE

ARIZONA	.. University of Arizona
CALIFORNIA	.. University of California, University of Southern Cali- fornia, Stanford University
COLORADO	.. University of Colorado
CONNECTICUT	.. University of Connecticut, Yale University
COLUMBIA	.. The American University, Georgetown University, George Washington University
FLORIDA	.. University of Florida, Florida State University, Uni- versity of Miami
GEORGIA	.. Emory University
ILLINOIS	.. University of Illinois, University of Chicago, Loyola University, Northwestern University, Southern Illi- nois University



INDIANA	..	Indiana University
IOWA	..	State University of Iowa
KANSAS	..	University of Kansas
LOUISIANA	..	Louisiana State University, Tulane University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Harvard University, University of Massachusetts, Tufts University
MICHIGAN	..	University of Michigan, Michigan State University, Wayne University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri, St. Louis University
NEW HAMPSHIRE	..	University of New Hampshire
NEW JERSEY	..	Princeton University, Rutgers University
NEW YORK	..	New York State University (Albany, Buffalo, Geneseo, New Paltz, Stony Brook), Columbia University, Cornell University, Hofstra University, Long Island University, New York University, University of Rochester, Syracuse University, Yeshiva University
NORTH CAROLINA	..	Duke University, University of North Carolina
OHIO	..	Ohio State University, University of Cincinnati, Miami University
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon
PENNSYLVANIA	..	University of Pennsylvania, University of Pittsburgh
RHODE ISLAND	..	Brown University
TEXAS	..	University of Texas
UTAH	..	Brigham Young University, University of Utah
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin, Marquette University

POULTRY (HUSBANDRY)

ALABAMA	..	Auburn University
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	University of California, California State Polytechnic
COLORADO	..	Colorado State University
CONNECTICUT	..	University of Connecticut
DELAWARE	..	University of Delaware
FLORIDA	..	University of Florida
GEORGIA	..	University of Georgia
HAWAII	..	University of Hawaii
INDIANA	..	Purdue University
IOWA	..	Iowa State University
KANSAS	..	Kansas State University
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Louisiana State University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	University of Massachusetts
MICHIGAN	..	Michigan State University



MINNESOTA	.. University of Minnesota
MISSISSIPPI	.. Mississippi State University
MISSOURI	.. University of Missouri
NEBRASKA	.. University of Nebraska
NEW JERSEY	.. Rutgers State University
NEW YORK	.. Cornell University
OHIO	.. Ohio State University
OKLAHOMA	.. Oklahoma State University
OREGON	.. Oregon State University
PENNSYLVANIA	.. Pennsylvania State University
RHODE ISLAND	.. University of Rhode Island
TENNESSEE	.. University of Tennessee
UTAH	.. Utah State University
WASHINGTON	.. Washington State University
WISCONSIN	.. University of Wisconsin

PSYCHOLOGY

ALABAMA	.. University of Alabama
ARIZONA	.. University of Arizona
CALIFORNIA	.. University of California (Berkeley, Los Angeles), University of Southern California, Stanford University
COLORADO	.. University of Colorado, University of Denver
CONNECTICUT	.. University of Connecticut, Yale University
FLORIDA	.. University of Florida, Florida State University
ILLINOIS	.. University of Illinois, Chicago University, Loyola University, Northwestern University, Southern Illinois University
INDIANA	.. Indiana University, Purdue University
IOWA	.. State University of Iowa
KANSAS	.. University of Kansas
KENTUCKY	.. University of Kentucky, University of Louisville
LOUISIANA	.. Louisiana State University
MARYLAND	.. University of Maryland
MASSACHUSETTS	.. Boston University, Harvard University, Clark University, University of Massachusetts.
MICHIGAN	.. University of Michigan, Michigan State University, Wayne State University
MINNESOTA	.. University of Minnesota
MISSOURI	.. University of Missouri, Washington University
NEBRASKA	.. University of Nebraska
NEW YORK	.. New York State University (Buffalo, Geneseo, Stony Brook), New York University, Adelphi University, Columbia University, Fordham University, University of Rochester, Syracuse University, Yeshiva University
NORTH CAROLINA	.. Duke University, University of North Carolina



OHIO	.. Ohio State University, University of Cincinnati, Western Reserve University.
OKLAHOMA	.. University of Oklahoma
OREGON	.. University of Oregon
PENNSYLVANIA	.. University of Pennsylvania, Pennsylvania State University, University of Pittsburgh, Temple University
TENNESSEE	.. University of Tennessee
TEXAS	.. University of Texas, University of Houston
UTAH	.. University of Utah
WASHINGTON	.. University of Washington, Washington State University
WISCONSIN	.. University of Wisconsin

PUBLIC ADMINISTRATION

CALIFORNIA	.. University of California, University of Southern California
COLORADO	.. University of Denver
CONNECTICUT	.. Yale University
COLUMBIA	.. The American University, George Washington University
KANSAS	.. University of Kansas
MARYLAND	.. University of Maryland
MASSACHUSETTS	.. Boston University, Harvard University
MICHIGAN	.. University of Michigan, Michigan State University
MISSOURI	.. University of Missouri
NEW YORK	.. New York University, Cornell University, Syracuse University
NORTH CAROLINA	.. Duke University, University of North Carolina
OKLAHOMA	.. University of Oklahoma
PENNSYLVANIA	.. University of Pennsylvania, University of Pittsburgh

PUBLIC HEALTH

CALIFORNIA	.. University of California (Berkeley, Los Angeles)
CONNECTICUT	.. Yale University
IOWA	.. Iowa State University
LOUISIANA	.. Tulane University
MARYLAND	.. Johns Hopkins University
MASSACHUSETTS	.. Harvard University
MICHIGAN	.. University of Michigan
MINNESOTA	.. University of Minnesota
NEW YORK	.. Columbia University
NORTH CAROLINA	.. University of North Carolina
PENNSYLVANIA	.. University of Pittsburgh



PUBLIC RELATIONS

ARIZONA	..	Arizona State University
CALIFORNIA	..	University of California, University of San Francisco, University of Southern California
COLORADO	..	Colorado State University
COLUMBIA	..	George Washington University
FLORIDA	..	University of Florida, Florida State University, Uni- versity of Miami
ILLINOIS	..	University of Illinois
IOWA	..	Cornell University, Iowa State University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University
MICHIGAN	..	Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi
MONTANA	..	Montana State University
NEVADA	..	University of Nevada
NEW YORK	..	Columbia University, Fordham University, Long Island University, New York University, Syracuse Uni- versity, Yeshiva University
OHIO	..	Ohio University, Ohio State University, Miami Uni- versity, Bowling Green State University
OKLAHOMA	..	University of Oklahoma, Oklahoma State University
OREGON	..	University of Oregon
PENNSYLVANIA	..	Duquesne University
TEXAS	..	University of Texas, Baylor University
UTAH	..	Utah State University
WISCONSIN	..	University of Wisconsin

RUBBER TECHNOLOGY

MASSACHUSETTS	..	Lowell Technical Institute
OHIO	..	University of Akron

SECRETARYSHIP

ALABAMA	..	Auburn University
ARIZONA	..	University of Arizona
CALIFORNIA	..	University of Southern California
CONNECTICUT	..	University of Connecticut
DELAWARE	..	University of Delaware
FLORIDA	..	University of Florida, Florida State University
GEORGIA	..	University of Georgia, Clark University
ILLINOIS	..	University of Illinois, Southern Illinois University
IOWA	..	University of Iowa
KENTUCKY	..	University of Kentucky
LOUISIANA	..	Louisiana State University



MASSACHUSETTS	..	Boston University
MICHIGAN	..	Michigan State University
MISSISSIPPI	..	University of Mississippi, University of Southern Mississippi, Mississippi State College for Women
NEW HAMPSHIRE	..	University of New Hampshire
NEW YORK	..	New York State University (Buffalo, Canton, Cobleskill, Farmingdale, Morrisville), Hofstra University, Long Island University, Rochester Institute of Technology
NORTH CAROLINA	..	University of North Carolina (Woman's College)
OHIO	..	Bowling Green State University, University of Cincinnati, Miami University
OKLAHOMA	..	Oklahoma State University
OREGON	..	Oregon State University
PENNSYLVANIA	..	Carnegie Institute of Technology
SOUTH CAROLINA	..	University of South Carolina
TENNESSEE	..	University of Tennessee, Memphis State University
TEXAS	..	University of Texas, University of Houston, Texas Christian University, North Texas State University
WASHINGTON	..	Washington State University
WYOMING	..	University of Wyoming

SOCIAL SCIENCES STUDIES

CALIFORNIA	..	University of California (Berkeley, Los Angeles), University of Southern California
COLORADO	..	University of Denver
CONNECTICUT	..	University of Connecticut
COLUMBIA	..	Howard University, Catholic University of America
FLORIDA	..	Florida State University
GEORGIA	..	Atlanta University
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Illinois, University of Chicago, Loyola University
INDIANA	..	Indiana University
IOWA	..	State University of Iowa
KANSAS	..	University of Kansas
KENTUCKY	..	University of Louisville
LOUISIANA	..	Louisiana State University, Tulane University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Simmons College, Smith College
MICHIGAN	..	University of Michigan, Michigan State University, Wayne State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri, Washington University, St. Louis University
NEBRASKA	..	University of Nebraska
NEW JERSEY	..	Rutgers University



NEW YORK	..	New York University, State University of New York (Buffalo), Adelphi University, Columbia University, Fordham University, Syracuse University, Yeshiva University
NORTH CAROLINA	..	University of North Carolina
OHIO	..	Ohio State University, Western Reserve University
OKLAHOMA	..	University of Oklahoma
PENNSYLVANIA	..	University of Pennsylvania, University of Pittsburgh, Bryn Mawr College
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas
UTAH	..	University of Utah
WASHINGTON	..	University of Washington
WEST VIRGINIA	..	West Virginia University
WISCONSIN	..	University of Wisconsin

SOCIOLOGY

CALIFORNIA	..	University of California, California State University (Los Angeles), University of Southern California, Stanford University
COLORADO	..	University of Colorado, University of Denver
CONNECTICUT	..	University of Connecticut
COLUMBIA	..	Howard University
FLORIDA	..	University of Miami
GEORGIA	..	University of Georgia
HAWAII	..	University of Hawaii
ILLINOIS	..	University of Illinois, University of Chicago, Southern Illinois University, Loyola University
INDIANA	..	Indiana University, University of Notre Dame
IOWA	..	Iowa State University
KANSAS	..	University of Kansas
LOUISIANA	..	Tulane University
MAINE	..	University of Maine
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University, Harvard University, University of Massachusetts
MICHIGAN	..	University of Michigan, Michigan State University, Wayne State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	Washington University
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NEW YORK	..	State University of New York (Buffalo, Syracuse, Stony Brook), Columbia University, Cornell University
NORTH CAROLINA	..	Duke University



OHIO	..	Ohio University, Ohio State University, University of Cincinnati, Miami University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
PENNSYLVANIA	..	University of Pennsylvania, Pennsylvania State University, University of Pittsburgh
TEXAS	..	University of Texas
VERMONT	..	University of Vermont
WISCONSIN	..	University of Wisconsin

SOIL SCIENCE

ARIZONA	..	University of Arizona
ARKANSAS	..	University of Arkansas
CALIFORNIA	..	University of California
COLORADO	..	Colorado State University
FLORIDA	..	University of Florida
HAWAII	..	University of Hawaii
INDIANA	..	Purdue University
MICHIGAN	..	Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NEW JERSEY	..	Rutgers University
NEW YORK	..	New York State University (Cornell)
NORTH DAKOTA	..	North Dakota State University
OREGON	..	Oregon State University
TEXAS	..	Texas A & M University
UTAH	..	Utah State University
WISCONSIN	..	University of Wisconsin

STATISTICS

ALABAMA	..	University of Alabama
ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California (Berkeley), Stanford University
COLORADO	..	University of Denver
DELAWARE	..	University of Delaware
COLUMBIA	..	The American University, George Washington University
FLORIDA	..	Florida State University
ILLINOIS	..	University of Illinois, University of Chicago
INDIANA	..	Purdue University
IOWA	..	Iowa State University, Drake University
KANSAS	..	Kansas State University
LOUISIANA	..	Tulane University



MARYLAND	..	Johns Hopkins University
MASSACHUSETTS	..	Boston University, Harvard University
MICHIGAN	..	Michigan State University, Wayne State University
MINNESOTA	..	University of Minnesota
MISSISSIPPI	..	University of Mississippi
MISSOURI	..	University of Missouri
NEW JERSEY	..	Rutgers University
NEW YORK	..	New York State University (Buffalo, Stony Brook), Columbia University, Cornell University, New York University, University of Rochester
NORTH CAROLINA	..	University of North Carolina
OHIO	..	University of Dayton, Western Reserve University
OKLAHOMA	..	Oklahoma State University
OREGON	..	Oregon State University
PENNSYLVANIA	..	University of Pennsylvania
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas, Southern Methodist University
UTAH	..	Utah State University
VIRGINIA	..	University of Virginia
WISCONSIN	..	University of Wisconsin
WYOMING	..	University of Wyoming

TEXTILE TECHNOLOGY

ALABAMA	..	Auburn University
GEORGIA	..	Georgia Institute of Technology
MASSACHUSETTS	..	Lowell Technical Institute, Massachusetts Institute of Technology
NEW JERSEY	..	Fairleigh Dickinson University
NEW YORK	..	Fashion Institute of Technology
PENNSYLVANIA	..	Philadelphia Textile Institute
VIRGINIA	..	Institute of Textile Technology

TRANSPORTATION

ALABAMA	..	University of Alabama
ARIZONA	..	University of Arizona, Arizona State University
CALIFORNIA	..	University of California (Berkeley, Los Angeles), Uni- versity of San Francisco, University of Southern California, Stanford University
COLORADO	..	University of Denver
COLUMBIA	..	The American University, Georgetown University, George Washington University
GEORGIA	..	Georgia Institute of Technology
ILLINOIS	..	Northwestern University
INDIANA	..	Indiana University
KANSAS	..	Kansas State University
LOUISIANA	..	Louisiana State University



MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Harvard University
MINNESOTA	..	University of Minnesota
NEBRASKA	..	University of Nebraska
NEW JERSEY	..	Fairleigh Dickinson University
NEW YORK	..	State University of New York (Buffalo), Columbia University, Cornell University, New York University, Rochester Institute of Technology, Syracuse University
OHIO	..	Bowling Green State University, University of Cincinnati
OKLAHOMA	..	University of Oklahoma
OREGON	..	University of Oregon
PENNSYLVANIA	..	University of Pennsylvania, Pennsylvania State University
TENNESSEE	..	University of Tennessee
TEXAS	..	University of Texas, University of Houston, Southern Methodist University
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

VETERINARY MEDICINE

[A minimum of 2 years' Pre-Veterinary College study is necessary for entrance and it takes 4 full years to cover the course leading to D.V.M. or V.M.D. degree (graduation).]

ALABAMA	..	Auburn University, Tuskegee Institution
CALIFORNIA	..	University of California
COLORADO	..	Colorado State University
GEORGIA	..	University of Georgia
ILLINOIS	..	University of Illinois
INDIANA	..	Purdue University
IOWA	..	Iowa State University
KANSAS	..	Kansas State University
MICHIGAN	..	Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	University of Missouri
NEW YORK	..	New York State University, Cornell University
OHIO	..	Ohio State University
OKLAHOMA	..	Oklahoma State University
PENNSYLVANIA	..	University of Pennsylvania
TEXAS	..	Texas A & M University
WASHINGTON	..	Washington State University

ZOOLOGY

ARIZONA	..	University of Arizona
CALIFORNIA	..	University of California, University of Southern California.



COLORADO	..	University of Colorado
CONNECTICUT	..	University of Connecticut
COLUMBIA	..	Howard University
FLORIDA	..	University of Miami
GEORGIA	..	University of Georgia
ILLINOIS	..	University of Illinois, Southern Illinois University
INDIANA	..	Indiana University
KANSAS	..	University of Kansas
LOUISIANA	..	Louisiana State University, Tulane University
MARYLAND	..	University of Maryland
MASSACHUSETTS	..	Boston University
MICHIGAN	..	University of Michigan, Michigan State University
MINNESOTA	..	University of Minnesota
MISSOURI	..	Washington University
MONTANA	..	Montana State University
NEBRASKA	..	University of Nebraska
NEW YORK	..	State University of New York (Buffalo, Syracuse, Stony Brook), Columbia University, Cornell University
NORTH CAROLINA	..	Duke University
OHIO	..	Ohio University, Ohio State University, University of Cincinnati, Miami University
OKLAHOMA	..	University of Oklahoma
OREGON	..	Oregon State University
PENNSYLVANIA	..	University of Pennsylvania, Pennsylvania State University, University of Pittsburgh
TEXAS	..	University of Texas
VERMONT	..	University of Vermont
WASHINGTON	..	University of Washington
WISCONSIN	..	University of Wisconsin

AUSTRALIA



GENERAL INFORMATION

Australia is a Federation of six States namely New South Wales, Victoria, Queensland, South Australia, Western Australia and Tasmania.

Students are always advised to seek guidance from their academic Counsellors or Advisers in their own Universities before they plan to do studies in the Universities of Australia on their own resources.

No students care to go to Australian Universities to pursue undergraduate studies and only a few perhaps care to plan to do higher degrees in Agricultural Science including Dairy, Fishery, Food Technology, Engineering, etc.

It is very difficult for foreign students to get places to courses like Medicine and Surgery, Dentistry, etc., because of keen competition for places by the native students.

Indian students prefer to do higher degrees now-a-days at Australian Universities with scholarships offered through Colombo Plan or with some sort of Assistantship rather than on their own as far as I find.

According to the current foreign exchange rules of the Government of India, no student wishing to study at a University in Australia will be released exchange unless he obtains at least 60% marks in aggregate in his first degree examination at home.

Until 1945 there were only ten Universities in Australia granting only first degrees in various faculties. The number of Universities has since been raised to fourteen with four Institutes of advanced studies ; and these Universities now confer higher degrees and Diplomas and they have facilities for research. The medium of instruction is English in all Universities in Australia. Adequate knowledge of English is necessary, particularly spoken English.

Academic year commences early in March and ends in October. Seventeen is the minimum entry age to University and there is no maximum age. Students desirous of studying in Australian Universities are expected to complete the first degree at their home Universities or Cambridge Higher School Certificate (overseas examinations) before entry to a University in Australia. Exemptions are granted in respect of any subjects studied already at home Universities. Overseas students are admitted to post-graduate work only when they have obtained their Master's degree in first class with some research work or with evidence of published papers on research studies. Post-graduate studies are limited to three years and first degree three or four years in Arts, Science or Commerce (Pass or Honours) as the case may be for overseas students. Students are to apply for admission a year in advance because of keen competition for places.

As for accommodation most Universities have residential Halls or hostels for students. National Australian University and University of New England are completely residential. Other students live at home, in boarding houses or with families. Some Universities have housing Officer to help students find residential accommodation. Enquiries are to be made to Universities concerned.

All inclusive costs to live as a student will approximately come to £A 700 (Rs. 7,500) but more now after devaluation of Indian currency.

After a student has been accepted by a University in Australia, he should seek permission to enter Australia in writing to the Australian High Commission, 9/48, Sardar Patel Road, New Delhi-21.

Employment is not easily available. Students are not permitted to do work except during long vacation of the University. The long vacation is usually between December and March. Some post-graduate students may be fortunate in getting part-time employment within the University campus like Demonstrator, Assistant, etc.

Seasons in Australia vary. The Spring is between September and October, Summer is from November to March, Autumn is April to May, and Winter is between June and August. Summers are comparatively longer in the North and the South is colder. Severe frosts occur in the late Autumn and early Winter. From about April to October, however, an overcoat, a raincoat and warm clothings are generally needed. Light Summer dresses are all you need in the North and a rain coat everywhere during Summers.

Dress is almost informal except during special occasions. Transport is no problem and is by Bus, Train (Electric), Taxi, Tourist Motor Coaches, Trams, Trolley Buses, and Air Line service for long distances. Tipping while travelling by Taxi is necessary but Tips should not exceed over one shilling.

Meals can be obtained at students' restaurants at most Universities. Away from Universities, there are Snack Bars, cafés and restaurants where food at moderate prices may be had. No tips are necessary in a café but at a better class restaurant or hotel, usually a tip of ten per cent. of the bill is expected.

It is 5-day working week throughout Australia. Very few people in Australia are able to engage domestic servants, and it is, therefore, often necessary to do work yourself while living as a student such as making your bed, cleaning your room, etc. All the work in the home is usually done by the housewife and members of the family.

A guest, male or female, often helps with the household work as for washing up and making his own bed. Australians love to entertain in their own home rather than at a restaurant. Australians have a well-developed sense of friendly informality.

Be punctual, be careful not to keep others waiting or do not upset arrangements by arriving earlier than expected—are some of the good manners.

It is the habit in Australia for friendship to exist between youngmen and women and this should not be taken as love or the intention to marry.

In introductions, it is customary to introduce the man to the woman first, and the woman decides whether or not to shake hands.

There are 11 Universities in Australia. The Universities and their faculties are arranged alphabetically. Addresses of these institutions of higher learning are mentioned. There are facilities for undergraduate and graduate studies and research.

Tuition fees are changing constantly and that is why fees are not being given. Calendars of Universities are to be consulted for details of fees, syllabus, etc.



UNIVERSITY OF ADELAIDE

ADELAIDE, SOUTH AUSTRALIA

There are facilities for the study of first degrees, higher degrees and doctorate degrees (research facilities) in the following faculties. The degrees conferred are also given.

Faculty of Agricultural Science including Biochemistry, Social Science, Agronomy, Entomology, Plant Pathology, Plant Physiology, etc.

Degrees awarded are B.Agr.Sc., M.Agr.Sc., Ph.D.

Faculty of Architecture and Town Planning including Building Science, Building Economics, etc.

Degrees awarded are B.E.Architecture and Master of Town Planning.

Faculty of Arts—including English language and literature, Education, Geography, History, Political Science, Philosophy, Psychology, Economics, Business Management, etc.

Degrees awarded are B.A., M.A., Ph.D., D.Litt., B.Ec., M.Ec., B.B.M., M.B.M., etc.

Faculty of Engineering—including Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, etc.

Degrees awarded are B.E., M.E., Ph.D.

Faculty of Dentistry—Facilities for post-graduate studies and research are provided.

Degrees awarded are B.D.S., M.D.S., D.D.Sc.

Faculty of Law—Special facilities are available for studies in most branches of the Common law and in International law.

Degrees awarded are LL.B., LL.M., LL.D.

Faculty of Medicine—including Medicine, Surgery, Child Health, Obstetrics and Gynaecology, etc.

Degrees awarded are M.B.B.S., B.Med.Sc., M.S., M.D., Ph.D.

Faculty of Science—including Biochemistry, Biology, Botany, Organic Chemistry, Physical and Inorganic Chemistry, Genetics, Geology and Mineralogy, Economic Geology (Mining, Petroleum, Engineering, Mineragraphy and Photogeology), Pure and Applied Mathematics, Mathematical Statistics, Physics and Computing Science, Physics, Psychology, Zoology, etc.

Degrees awarded are B.Sc., M.Sc., Ph.D., D.Sc.

In the Music Department, Advanced studies in composition and musicology are particularly provided for. There is a School of Social Sciences where research facilities are available.

The following Diplomas are awarded :—

Diploma in Education, Associate in Arts and Education, Diploma in Associate in Music, Diploma in Public Administration, Diploma in Pharmacy, Diploma in Physical Education, Diploma in Social Science, Diploma in Physiotherapy, Fellowship of the Elder Conservatorium. Certificates in Phy. Education and Law are also awarded.



AUSTRALIAN NATIONAL UNIVERSITY

CANBERRA, AUSTRALIA

It has an Institute of Advanced Studies with the following Schools of post-graduate study and research :

John Curtin School of Medical Research ;

Research School of Physical Sciences ;

Research School of Social Sciences ;

Research School of Pacific Studies ;

And a School of General Studies with faculties of Arts, Economics, Law, Oriental Studies and Science.

John Curtin School of Medical Research provides facilities for post-graduate study and research in Biochemistry, Experimental Pathology, Genetics, Medical Chemistry, Physical Biochemistry, Physiology, Microbiology, etc.

Research School of Physical Sciences has facilities for post-graduate study and research in Astronomy, Geophysics, Engineering Physics, Mathematics, Nuclear Physics, Theoretical Physics, etc.

Research School of Social Sciences has facilities for post-graduate study and research in Demography, Economic History, Economics, History, Law, Philosophy, Political Science, Sociology, Statistics, etc.

Research School of Pacific Studies provides facilities for post-graduate study and research in Anthropology and Sociology, Economics, Far Eastern History, Geography, International Relations, Pacific History (Programme of Field research in New Guinea, Australia, Indonesia, India, Borneo and the Islands of the Pacific).

The School of General Studies has faculties of Arts (Classics, English, Geography, French (with Russian), German, History, Pure and Applied Mathematics, Philosophy, Political Science, etc.), Economics (Accounting and Public Finance, Economic History, Economics, Statistics, etc.), Law (Public Law, Private Law, Jurisprudence, etc. leading to LL.M., Ph.D.), Oriental Studies (Chinese, Japanese, Indonesian including South-East Asian History), Science (Botany, Chemistry, Forestry, Geology, Mathematics, Physics, Psychology, Theoretical Physics, Zoology, etc.).

Degrees awarded are Arts (B.A., M.A., Ph.D., D.Litt.), Economics (B.Ec., M.Ec., Ph.D.), Law (LL.B., LL.M., LL.D., Ph.D.), Science (B.Sc., M.Sc., Ph.D., D.Sc.), Oriental Studies (B.A., M.A., Ph.D. in Oriental Studies).

UNIVERSITY OF MELBOURNE

MELBOURNE, VICTORIA, AUSTRALIA

There are facilities for the study of first degrees, post-graduate degrees and Doctorate degrees including diplomas in the following faculties. The degrees conferred are also given.

Faculty of Agriculture—including Agricultural Chemistry, Agriculture, Agronomy, Agricultural Economics, Rural Sociology, etc.



Degrees awarded are B.Agr.Sc., M.Agr.Sc., D.Agr.Sc., Ph.D.

Faculty of Architecture and Building—including Architecture (Tropical).

Degrees awarded are B.Arch., M.Arch., Ph.D., D.Arch.

Faculty of Arts—including English, Fine Arts, Geography, History, Indian Studies, Indonesian and Malayasian Studies, Mathematics, Oriental Studies, Philosophy, Psychology, French, Russian, German, Statistics, etc.

Degrees awarded are B.A., M.A., Ph.D., Litt.D.

Faculty of Dental Science—including Dental Medicine and Surgery, Prosthetics, etc.

Degrees awarded are B.D.Sc., M.D.Sc., D.D.Sc., Ph.D.

Faculty of Economics and Commerce—including Accountancy, Business Administration, etc.

Degrees awarded are B.Com., M.Com., Ph.D.

Faculty of Education offers B.Ed., M.Ed., Ph.D.

Faculty of Engineering—including Agricultural Engineering, Chemical, Civil, Electrical, Mechanical, Mining and Metallurgy, Surveying, etc.

Degrees awarded are B.E. (Agr.Eng.), B.Ch.E., B.C.E., B.E.E., M.M.E., B.M.E. (Mining), B.Met.E., B.Surv., M.Ch.E., M.C.E., M.E.E., M.M.E., M.M.E. (Mining), M.Met.E., M.Engg.Sc., D.Engg., Ph.D.

Faculty of Law offers LL.B., LL.M., LL.D., Ph.D.

Faculty of Medicine—including Anatomy, Bacteriology, Biochemistry, Neurology, Obstetrics and Gynaecology, Ophthalmology, Paediatrics, Pathology, Pharmacology, Physiology, Psychiatry, Medicine, Surgery, Radiology, etc.

Degrees awarded are M.B., B.S., M.S., M.D., Ph.D.

Faculty of Music offers M.Mus., D.Mus.

Faculty of Science—including Botany, Chemistry (Organic, Inorganic, Physical), Computation, Forestry, Geology and Mineralogy, Industrial Science (Applied), Meteorology, Physics (Nuclear Physics, Theoretical Physics, Cosmic Radiation, etc.), Zoology and Genetics, etc.

Degrees awarded are B.Sc., B.Sc. (Forestry), M.Sc., M.Sc. (Forestry), D.Sc., Ph.D.

Board of Studies for Town and Country Planning offers B.T.R.P. (Bachelor of Town and Country Planning), M.T.R.P., Ph.D.

Faculty of Veterinary Science awards B.V.Sc., M.V.Sc., D.V.Sc., Ph.D.

The following Diplomas are awarded :—

Diploma of Agriculture (Dip. Agr.), Diploma of Architectural Design (Dip.Arch.Des.), Diploma of Dietetics (Dip.Diet.), Diploma of Education (Dip.Edu.), Diploma in Journalism (Dip.Jour.), Diploma in Music (Dip.Mus.), Diploma in Nuclear Engineering (Dip.Nuc.Engg.), Diploma in Physical Education (Dip.Phys.Ed.), Diploma in Public Administration (Dip.Pub.Admn.), Diploma in Social Studies (Dip.Soc.Stud.), Diploma in Town and Regional Planning (D.T.R.P.), Diploma in Nuclear Science (Dip.Nuc.Sc.), Diploma in Anaesthesia (D.A.), Diploma in Gynaecology and Obstetrics (D.G.O.), Diploma in Laryngology and Otology (D.L.O.), Diploma of Ophthalmology (D.O.), Diploma of Psychological Medicine (D.P.M.), Diploma of Public Health (D.P.H.), Diploma of Radiology—Diagnostic (D.D.R.), Diploma of Radiology—Therapeutic (D.R.T.).



MONASH UNIVERSITY

CLAYTON, VICTORIA, AUSTRALIA

This University has facilities for the study of first degrees, post-graduate degrees and doctorate degrees in the following faculties :—

Faculty of Arts—including Anthropology and Sociology, Classical studies, English, Geography, History, South-East Asian studies, Languages, Music, Philosophy, etc.

Degrees awarded are B.A., M.A., Ph.D.

Faculty of Economics and Politics awards B.Ec., M.Ec., Ph.D.

Faculty of Engineering—including Applied Mechanics, Chemical Engineering, Civil Engineering, Electrical and Mechanical Engineering, etc.

Degrees awarded are B.Eng.Sc., M.Eng.Sc., Ph.D., D.Eng.

Faculty of Law offers LL.B. course.

Faculty of Medicine—including Anatomy, Medicine, Surgery, Biochemistry, Microbiology, Obstetrics and Gynaecology, Paediatrics, Pathology, Physiology, etc.

Degrees awarded are M.B.B.S., B.Med.Sc., M.Med.Sc., Ph.D.

Faculty of Science—including Botany, Chemistry, Mathematics, Physics, Psychology, Zoology, etc.

Degrees awarded are B.Sc., M.Sc., Ph.D.

THE UNIVERSITY OF NEW ENGLAND

ARMIDALE, NEW SOUTH WALES, AUSTRALIA

This University offers facilities for the study of first degrees, post-graduate degrees and doctorate degrees in the following faculties :—

Faculty of Arts—including Classics, Education (offers only Diploma in Education), English, Languages (French, German), Geography, History, Philosophy, Psychology, etc.

Degrees awarded are B.A., M.A., Ph.D., D.Litt.

Faculty of Agricultural Economics—including Economic Statistics, Farm Management, Public Administration and Sociology.

Degrees awarded are B.Agr.Ec., M.Agr.Sc., Ph.D.

Faculty of Economics—including Economic History—offers B.A., M.A., Ph.D.

Faculty of Rural Science—including Agronomy, Biochemistry, and Nutrition, Livestock Husbandry, Physiology, Genetics, Preventive Medicine and Parasitology, Microbiology and Pathology.

Degrees awarded are B.Rur.Sc., M.Rur.Sc., D.Rur.Sc.

Faculty of Science—including Botany, Geology, Mathematics, Chemistry (Organic, Inorganic, Physical), Physics and Zoology.

Degrees awarded are B.Sc., M.Sc., D.Sc., Ph.D.



UNIVERSITY OF NEWCASTLE

NEWCASTLE, NEW SOUTH WALES, AUSTRALIA

It was previously a College of the University of New South Wales (Australia) and became an independent University from 1965. It has facilities for studying in the following faculties :—

Faculty of Arts—including Classics (Latin, Sanskrit), English, Language (French, German), Geography, History, Philosophy and Psychology.

Degrees offered are B.A., M.A.

Faculty of Architecture awards B.Arch., M.Arch.

Faculty of Economics and Commerce awards B.Com., M.Com.

Faculty of Engineering—including Civil, Electrical and Mechanical Engineering.

Degrees awarded are B.C.E., B.E.E., B.M.E., M.C.E., M.E.E., M.M.E.

Faculty of Science—including Chemistry, Geology, Mathematics and Physics, and Faculty of Applied Science—Chemical Engineering and Industrial Chemistry and Metallurgy.

Degrees awarded are B.Sc., M.Sc., Ph.D., B.Ch.E., M.Ch.E., B.Met.E., M.Met.E., D.Sc.

UNIVERSITY OF NEW SOUTH WALES

KENSINGTON, NEW SOUTH WALES, AUSTRALIA

This is a University of Technology mainly and includes Wollongong University College. It has various faculties including Arts, Commerce, Medicine, Science, etc., for the study of first degrees, Master degrees and Doctorate degrees including diplomas (post-graduate).

Faculty of Applied Science—including Applied Geology, Chemical Engineering, Food Technology, Fuel Technology, Chemical Technology, Metallurgy (Physical, Chemical and Extraction, Industrial), Mining Engineering, Mineral Processing, Textile Technology, Wood Technology, etc.

Degrees awarded are B.Sc., M.Sc., Ph.D., Dip.App.Sc.

Faculty of Architecture—including Landscape design and Civil design.

Degrees awarded are B.Arch., M.Arch., Ph.D., Dip.L.D., Dip.C.D.

Faculty of Arts—including Drama, English, History, Librarianship, Philosophy, Political Science, Sociology, Languages (French, German, Spanish).

Degrees awarded are B.A., M.A., Ph.D.

Faculty of Commerce—including Accountancy, Economics, Business Administration, Hospital Administration.

Degrees offered are B.Com., M.Com.

Faculty of Engineering—including Civil, Electrical and Mechanical Engineering, Water Engineering, Engineering Construction and Public Health, Engineering, Structural Engineering, Surveying, Highway Engineering, Applied and Fluid Mechanics, Industrial Engineering, Nuclear and Traffic Engineering.



Degrees offered are B.E., M.E., B.Tech., M.Tech., Ph.D., D.Engg., and post-graduate diplomas.

Faculty of Medicine—including Anatomy, Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Haematology, Biochemistry, Bacteriology, Physiology, Psychiatry, Surgery, Human Genetics, etc.

Degrees awarded are M.B.B.S., M.S., M.D., Ph.D., and post-graduate diplomas.

Faculty of Science—including Applied Psychology, Biological Sciences, Biochemistry, Botany, Microbiology, Zoology, Chemistry, Nuclear and Radiation Chemistry, Applied and Physical Chemistry, Mathematics (Pure and Applied), Statistics, Physics, Optometry, etc.

Degrees offered are B.Sc., M.Sc., Ph.D., and post-graduate Diplomas.

UNIVERSITY OF QUEENSLAND

BRISBANE, QUEENSLAND, AUSTRALIA

University College of Townsville, Townsville, North Queensland, is a College of this University.

It has facilities for the study of first degrees, Master degrees, Doctorate degrees, Post-graduate diplomas. Subjects taught include Accountancy, Agriculture, Anatomy, Animal Husbandry, Architecture, Biochemistry, Botany, Engineering (Civil, Chemical, Electrical, Mechanical, Mining and Metallurgy), Chemistry (organic, inorganic, physical), Child-Health, Classics (Latin, Roman), Computing, Dentistry, Economics, Education, English, Entomology, French, Geography (Geomorphology, Chematology, Bio-geography, Oceanography, Economic and Urban geography, etc.), Geology and Mineralogy, Geophysics, German, History, Law, Mathematics (Pure and Applied), Medicine, Microbiology, Obstetrics and Gynaecology, Parasitology, Pharmacy, Philosophy, Physics, Physiology, Psychological Medicine, Psychology, Surveying, Social Sciences, Veterinary, Zoology, etc.

The following degrees are awarded :—

Arts—B.A., M.A., Ph.D., D.Litt.

Agriculture—B.Agr.Sc., M.Agr.Sc., Ph.D.

Architecture—B.Arch., M.Arch.

Dentistry—B.D.Sc., M.D.Sc., D.D.Sc.

Education—B.Ed., M.Ed., Ph.D.

Economics and Commerce—B.Com., M.Com., B.Ec., M.Ec., Ph.D., D.Ec.

Engineering—B.E., B.Surv., B.Eng.Sc., M.E., M.E.Sc., Ph.D., D.Engg.

Law—LL.B., LL.M., LL.D., Ph.D.

Medicine—M.B.B.S., M.D., M.S., Ph.D.

Pharmacy—B.Pharm., M.Pharm.

Science—B.Sc., M.Sc., Ph.D., D.Sc.

Social Science—M.S.Sc.

Veterinary—B.V.Sc., M.V.Sc., Ph.D.

The following Diplomas are offered :—

Diploma in Architecture (Dip.Arch.), Diploma in Commerce (Dip.Com.), Diploma in Education (Dip.Ed.), Diploma in Ophthalmology (D.O.), Diploma



in Psychological Medicine (Dip.Psy.Med.), Diploma in Public Administration (Dip.Pub.Adm.), Diploma in Social Study (Dip.S.S.), etc.

UNIVERSITY OF SYDNEY

SYDNEY, NEW SOUTH WALES, AUSTRALIA

This University offers facilities for the study of first degrees, Master degrees and Doctorate degrees including Post-graduate Diplomas in the following faculties.

Faculty of Agriculture—including Agricultural Economics, and Animal Husbandry.

Degrees offered are B.Sc.Agr., M.Sc.Agr., Ph.D.

Faculty of Architecture including Town and Country Planning awards B.Arch., M.Arch., M.T.C.P., Ph.D.

Faculty of Arts—including Anthropology, Archaeology, Education, English, History, Public Administration, Languages, Music, Oriental Studies, Philosophy, Psychology, etc.

Degrees awarded are B.A., M.A., Ph.D., D.Litt.

Faculty of Engineering—including Aeronautical, Chemical, Civil, Electrical, Mechanical and Mining Engineering.

Degrees awarded are B.E., M.E., B.Engg.Sc., M.Engg.Sc., Ph.D., D.Engg.

Faculty of Law offers LL.B., LL.M., Ph.D.

Faculty of Medicine—including Bacteriology, Child Health, Medicine and Surgery, Pharmacology, Physiology, Psychiatry, etc.

Degrees offered are M.B.B.S., M.Sc.Med., M.D., M.S., Ph.D.

Faculty of Science—including Biochemistry, Biological Science, Geography and Geomorphology, Geology and Geophysics, Chemistry (Organic, Inorganic, Physical, Pharmaceutical), Mathematics (Pure, Applied and Mathematical Statistics), Physics, etc.

Degrees awarded are B.Sc., M.Sc., Ph.D., D.Sc.

Faculty of Veterinary Science offers courses leading to B.V.Sc., M.V.Sc., Ph.D.

The following Post-graduate Diplomas are also awarded :—

Diploma in Anthropology (Dip.Anthrop.), Diploma in Education (Dip.Ed.), Diploma in Criminology (Dip.Crim.), Diploma in Jurisprudence (Dip.Juris.), Diploma in Town and Country Planning (D.T.C.P.), Diploma in Public Health (D.P.H.), Diploma in Tropical Medicine and Hygiene (D.T.M. & H.), Diploma in Psychological Medicine (D.P.M.), Diploma in Diagnostic Radiology (D.D.R.), Diploma in Pharmaceutical Science (Dip.Pharm.), Diploma in Child Health (D.C.H.), etc.

UNIVERSITY OF TASMANIA

HOBART, TASMANIA, AUSTRALIA

This University offers courses leading to first degrees, Master degrees and Doctorate degrees in the following faculties :—

Faculty of Arts specialises in Psychology (Physiological Psychology, testing



and counselling, etc.) and offers B.A., M.A., Ph.D.

Faculty of Commerce offers B.Com., M.Com., B.Ec., M.Ec., Ph.D.

Faculty of Science—including Botany, Chemistry, Geology, Forestry, Mathematics and Zoology.

Degrees awarded are B.Sc., B.Sc.For., M.Sc., Ph.D.

UNIVERSITY OF WESTERN AUSTRALIA

NEDLANDS, PERTH, WESTERN AUSTRALIA

This University has facilities for the study of first degrees, Master degrees. Doctorate degrees and Post-graduate Diplomas in the following faculties :—

Faculty of Agriculture (Institute of Agriculture)—including Agronomy, Agricultural Economics and Farm Management, Social Science, etc.

Degrees awarded are B.Sc.Ag., M.Sc.Ag., Ph.D., D.Sc.Ag.

Faculty of Arts includes Anthropology, English, Geography, History, Language (French, German), Music, Philosophy, Psychology, etc.

Degrees conferred are B.A., M.A., Ph.D., D.Litt.

Faculty of Dental Science offers courses leading to B.D.Sc., M.D.Sc., Ph.D. and D.D.Sc.

Faculty of Economics and Commerce awards the degrees of B.Ec., M.Ec., Ph.D., B.Com., M.Com.

Faculty of Education leads to the award of B.Ed., M.Ed., Ph.D., and Post-graduate Diploma in Education (Dip.Ed.), and P.-G. Diploma in Child and Educational Psychology (D.C.E.P.).

Faculty of Engineering covers Civil, Electrical and Mechanical Engineering and awards B.E., M.E., Ph.D.

Faculty of Medicine—including Medicine and Surgery, Anatomy, Microbiology, Pathology, Physiology, Child Health, etc.

Degrees offered are M.B.B.S., M.S., M.D., Ph.D.

Faculty of Science—including Biochemistry, Botany, Chemistry, Geology, Mathematics, Physics and Zoology.

Degrees offered are B.Sc., M.Sc., Ph.D., D.Sc.

BRITAIN

United Kingdom and Republic of Ireland



GENERAL INFORMATION

Great Britain or the United Kingdom comprises England, Wales, Scotland and Northern Ireland. Southern Ireland is an independent country known as the Irish Republic. English is spoken in the United Kingdom and the Republic of Ireland.

The climate is subject to frequent changes but to few extremes of temperature. It ranges from 53°F during the summer (June, July and August) to 39°F during the winter (December, January and February) and even 0°F or below has been recorded during severe winter periods. Winds are generally stronger and they are appreciably more frequent in the spring. Sunshine is visible at a minimum but more of it is available during May, June and July. In Britain mist and fog are not uncommon particularly from October to January, and as for rain, March to June are the driest and October to January, the wettest. The Commonwealth Immigrants Act, 1962, restricts the number of persons who may immigrate into Britain without assured prospects of employment or adequate means of self-support.

A 5-day week hours of work are usually noticed and eligible employees are entitled to two weeks' continuous holidays in a year in July and August barring the statutory public holidays and most families spend their holidays by the sea or near the seaside.

Britain is cold and wet from November to April, when there is great deal of rain, damp and chilly winds and often frost and snow. Students should have the right sort of clothing to protect them against such a climate.

There is much competition for places in British Universities and Institutions particularly in courses like medicine and surgery, dentistry, engineering and other courses as well. It is, therefore, necessary to put in applications in the prescribed forms long in advance.

For admission to a University or Institution in the U.K., there is a long established procedure that Indian students seeking admission must apply through the Universities last attended by them, in the prescribed application form available with the Indian University authorities, to the Education Department of the Indian High Commission in London.

A great deal of discretion rests with the Universities and the applications are screened and considered from the standpoint of entrance requirements, release of exchange, etc. before taking any action on them. Students seeking admission should not waste time by writing direct to the University or Institution.

In 1963 a scheme to simplify University entrance in Britain came into operation with applications for admission in October, 1964. Students seeking admission to a first degree course apply for places through the Universities Central Council on Admission (UCCA). The UCCA booklet is a priced publication and it is available in the office of the Student Advisory Services in a University in India.

Students are required to make their own arrangements for accommodation on arrival in the U.K. through the Indian High Commission who assist them for reception and accommodation against an advance fee of fifteen shillings. The chance of living in University Halls of residence or hostels is a very difficult problem indeed.

For accommodation, the University Lodgings Officer, the British Council, Y.M.C.A., Y.W.C.A., etc., may be approached who have addresses of lodging or digs, as it is commonly known in Britain run by the landlady on weekly payment basis. These usually supply breakfast and dinner during the week and all meals at the week-end. Either gas or electricity is used in these digs for heating. Central heating lodgings are rarely available and must be booked well in advance. Scholarship holders are usually helped to find accommodation by the organisation responsible for them.

The British Council offices and churches and other Voluntary organisations extend all possible help to foreign students if they like to have.

The cost of living is high in Britain now-a-days. And it depends how one spends. But a student must not ordinarily spend more than £600 per annum for his maintenance, tuition fees and other incidental expenses. It costs more to live in Oxford or Cambridge, a little less in other University towns. Many students try to live on much less. Foreign exchange, after devaluation, to the maximum of £600 or Rs. 12,600 is allowed per year and £75 or Rs. 1,575 for outfit for a student's entire period of stay abroad.

The majority of people in Britain today have their mid-day meal (Lunch) [at a moderate cost in a canteen at University College, office or factory where they spend their day. The most economical meals in London can be had from such restaurants and cafeterias like Lyons or the A.B.C. where you take a tray and help yourself to the food displayed on the counter. The waiter or waitress who serves you will expect a tip, usually 10 per cent. of the bill. You are to pay a tip of 6d. for every 2/6d. of fare when you go by a taxi, to the driver, in addition, to the sum marked on the meter. You pay the Porter a tip of 6d. to 1/- for each piece depending on the size.

Students sometimes hope to pay their expenses by taking up part or full time paid employment. The strain of studying alone is sufficient. Paid employment, full or part time is likely to interfere with their studies. Students are advised not to go in for jobs except during vacation if they so like with the consent of the British Ministry of Labour and Employment.

There is a variety of transport facilities in Britain—Buses, Trolley Buses, underground Railways, etc. Very useful maps and guides of the transport system are available free of charge. Road accidents are major problems in the U.K.

Social customs and manners may vary from country to country. It is the habit in Britain for friendship to exist between young men and women which need not be based upon love or the intention to marry. Your parents at home may prefer you to marry someone in your own country, just as British parents may prefer their children to marry someone brought up in the U.K. When you are introduced to a person, just smile and say—'How do you do?' You may shake hands when formally introduced. But do not shake hands with men or women when you see them often—instead just smile and say—'Good morning' or 'Good afternoon' or 'Good day' or 'Good evening'.

While travelling to and from their work in buses or trains, the native people prefer reading newspapers to talking to the neighbours or strangers. The British people, particularly the English are too much on the artificial side of life. They consider much talk is an unnecessary waste of time. But they are certainly not unfriendly and when approached for help, if you need help, you will be gladly given. Very few families in the U.K. can now afford to have



servants. Guests help to carry things to and from the dinner table or to help wash the dishes.

When families invite you in writing, you must reply to it in a simple way and at once accepting the invitation or not. When accepted and something prevents you from going, try to inform in good time. Punctuality must always be observed.

In Britain men and women enjoy same freedom. It is society pattern for an unmarried woman to go alone, dine alone in a public cafeteria or even to live alone and invite men or women friends.

Soon after arrival you must remember to register with the National Health Service whether you are ill or not. In the U.K., you will receive every kind of health service free of charge except for small charges for glasses, dental treatment and medicine.

It is sensible to open a savings account at any Post Office. You can withdraw money from any Post Office in the country.

In Britain and in the Republic of Ireland every University or College starts its academic programmes usually in middle September or early October each year except a few College which begin their courses three times each year in September, January and March. The fees are very high compared to other University or Institution and for courses in Faraday College. This professional Engineering College has since been closed down.

Universities are autonomous self-governing bodies but are aided from public funds including the University Grants Committee, and ninety per cent. of the native students enjoy scholarships.

The minimum entry age to a University is seventeen years. There are about 43 Universities in England, Wales, Scotland and Northern Ireland, including the recently set up ones. The National University of Ireland and the University of Dublin are in the Irish Republic. The University of Oxford and Cambridge are each composed of a number of residential Colleges. London University awards internal and external degrees except in Medicine, and some other subjects for which students are to study at the colleges of the University and for an external degree students are to prepare for their studies privately or to attend colleges preparing them for external degree. University of Cambridge confers Tripos instead of Honours. Scottish Universities award M.A. as the First degree instead of the usual B.A. There are a number of advanced Colleges of Science and Technology for research work. Birkbeck College under the University of London has facilities for evening courses in most faculties.

Joint Matriculation Board, 316 Oxford Road, Manchester-13, approves University Entrance requirements in regard to admission of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham.

Whereas Scottish Universities Entrance Board, Westerlea, St. Andrews, Scotland, grants the Board's Certificate of Fitness for admission to five Universities of Scotland except the recently set up ones.

In order to be admitted to a first degree course in the University of London, a student must obtain the Statement of Eligibility from the University Entrance Requirements Department, London University, Senate House, Malet Street, London, W.C.1. Higher and Research degrees can be obtained after two or three years' study and research.

First class honours graduates of some approved Indian Universities are allowed to complete the first degree course of the Universities of Oxford and Cambridge in a couple of years instead of three years, the usual period for a first degree course.

Alphabetical list of Universities with their addresses in Britain and the Republic of Ireland

1. University of Aberdeen, Aberdeen, Scotland
2. University of Aston, Gosta Green, Birmingham-4, England
3. Queen's University of Belfast, Belfast, Northern Ireland
4. University of Birmingham, Birmingham-15, England
5. University of Bristol, Bristol-2, England
6. University of Bradford, Bradford, Yorkshire, England
7. University of Bath, Cleverton Down, Bath, England
8. University of Brunel, Acton, London, W.3, England
9. University of Cambridge, Cambridge, England
(There are a number of Constituent Colleges under Cambridge)
10. University of Dublin, Dublin, Ireland
11. University of Durham, Old Elvet, Durham, England
12. University of Dundee, Dundee, Scotland
13. East Anglia, Norwich, England
14. University of Essex, Colchester, Essex, England
15. University of Exeter, Exeter, England
16. University of Edinburgh, Edinburgh-8, Scotland
17. University of Glasgow, W-2, Scotland
18. University of Hull, Hull, England
19. Heriot-watt University, Edinburgh-1, Scotland
20. National University of Ireland, Merrion Sq., Dublin, Ireland
21. University of Keele, Keele, Staffordshire, England
22. University of Kent, Kent, England
23. University of Lancaster, Lancaster, England
24. University of Leeds, Leeds-2, England
25. University of Leicester, Leicester, England
26. University of Liverpool, Liverpool-3, England
- *2. University of London, London W.C.1, England
(There are a number of Constituent Colleges and Schools under London)
28. Loughborough University (Technology), Loughborough, England
29. University of Manchester, Manchester-13, England
(It has Manchester Institute of Science and Technology, Manchester-1, England)
30. University of Newcastle-Upon-Tyne, Newcastle-Upon-Tyne, England
31. University of (Proposed City University) Northampton College of Advanced Technology, London, E.C.1, London
32. University of Nottingham, Nottingham, England
33. University of Oxford, Oxford, England
(There are a number of Constituent Colleges under Oxford)
34. University of Reading, Reading, England
35. University of Salford, Salford, Lancashire, England



36. University of Sheffield, Sheffield-10, England
37. University of Southampton, Southampton, England
38. University of St. Andrews, St. Andrews, Scotland
39. University of Stirling, Stirling, Scotland
40. University of Strathclyde, Glasgow, C-1, Scotland
41. University of Surrey, London, S.W.11, England
42. University of Sussex, Brighton, England
43. University of Wales, Cathays Park, Cardiff, Wales
(It has Constituent Colleges at Aberystwyth, Bangor, Manmouthshire, Cardiff, Lampeter and Swansea)
44. University of Warwick, Coventry, Warwickshire, England
45. University of York, York, England

*Chelsea College of Science and Technology, London, is from August, 1966, a School of the University of London.

Some Professional Bodies with their addresses in the United Kingdom.

1. Association of Certified and Corporate Accountants
22, Bedford Sq., London, W.C.1.
2. Association of Psychiatric Social Workers
Mape Street, London, E.2.
3. British Dietetic Association
251, Brompton Street, London, S.W.3.
4. British Institute of Management
80, Fetter Lane, London, E.C.4.
5. Chartered Insurance Institute
20, Aldermanbury, London, E.C.2.
6. Chartered Society of Physiotherapy
Tavistock House (South), Tavistock Sq., London, W.C.1.
7. City and Guilds of London Institute
76, Portland Place, London, W.1.
8. College of Speech Therapists
47, St. John's Wood High Street, London, N.W.8.
9. Council for the Training of Health Visitors
Euston Road (Clifton House), London, N.W.1.
10. Council of Legal Education
4, Gray's Inn Place, London, W.C.1.
11. Hotel and Catering Institute
24, Portman Sq., London, W.1.
12. Industrial Welfare Society
48, Bryanston Sq., London, W.1.
13. Institute of Chartered Accountants (England and Wales)
56-66, Goswell Road, London, E.C.1.
14. Institute of Bankers
10, Lombard Street, London, E.C. 3.
15. Institute of Chartered Accountants (Scotland)
27, Queen Street, Edinburgh-2
16. Institute of Costs and Works Accountants
63, Portland Place, London, W.1.

17. Institute of Hospital Administrators
75, Portland Place, London, W.1.
18. Institute of Marine Engineers
76, Mark Lane, London, E.C.3.
19. Institute of Personnel Management
80, Fetter Lane, London, E.C.3.
20. Institute of Transport
80, Portland Place, London, W.1.
21. Institution of Chemical Engineers
16, Belgrave Square, London, S.W.1.
22. Institution of Civil Engineers
Great George Street, London, S.W.1.
23. Institution of Electrical Engineers
Savoy Place, Victoria Embankment, London, W.C.2.
24. Institution of Electronic and Radio Engineers
9, Bedford Square, London, W.C.1.
25. Institution of Mechanical Engineers
1, Birdcage Walk, London, S.W.1.
26. Institution of Metallurgists
4, Grosvenor Gardens, London, S.W.1.
27. Institution of Production Engineers
10, Chesterfield Street, London, W.1.
28. Institution of Structural Engineers
11, Upper Belgrave Street, London, W.1.
29. Institution of the Rubber Industry
4, Kensington Place, Gardens, London, W.8.
30. Library Association
Malet Place, London, W.C.1.
31. Plastic Institute
6, Mandeville Place, London, W.1.
32. Royal College of Veterinary Surgeons
32, Belgrave Square, London, S.W.1.
33. Royal Institute of British Architects
66, Portland Place, London, W.1.
34. Royal Institution of Chartered Surveyors
12, Great George Street, London, S.W.1.
35. Society of Chiropodists
8, Wimpole Street, London, W.1.
36. Society of Radiographers
32, Welbeck Street, London, W.1.
37. Textile Institute
10, Blackfriars Street, Manchester-3
38. Town Planning Institute
18, Ashby Place, London, S.W.1.

Alphabetical table of University and some Non-University courses available
in Britain and the Republic of Ireland

Accountancy	Domestic Science
African Studies	Drama, etc.
Agriculture	Dutch
Acoustics	Economics
Architecture	Education
Agricultural Engineering	Electronics, etc.
Archaeology	Engineering (All fields)
Actuaries	English
Archive	Estate Management
Astronomy	Food Technology
Aviation	Froebel Education
Art	Fine Art
Bakery	French
Bacteriology	Film Science
Barrister-at-law	Foundry Technology
Banking	Forestry
Boot and Shoe	Fuel Technology
Bio-chemistry	Genetics
Bio-physics	Geography
Biology	Geodesy
Botany	Geology
Brewing, etc.	German
Building Science	Geophysics
Business Management	Glass Technology
Celtic	History
Ceramics	Horticulture
Catering	Hospital Administration
Chartered Surveyors	Hotel and Catering
Chartered Secretaryship	Industrial Relations
Cost Accountancy	International Relations
Chemical Colour	Italian
Chemical Technology	Journalism
Criminology	Law
Child Care	Law (International)
Chemical Engineering	Latin-American Studies
Chemistry	Leather Technology
Classics	Librarianship
Commerce	Linguistics
Concrete Technology	Machine Tool Technology
Dairy Science	Management Studies
Dentistry	Mathematics
Divinity, etc.	Marine Biology
Dietetics	



Meteorology
Medicine and Surgery (All fields)
Metallurgy
Mineralogy
Microbiology
Military Studies
Mining
Montessori Education
Music
Navigation
Nutrition Science
Nursing
Oceanography
Oil Technology
Oriental Studies
Occupational Therapy
Occupational Research
Optics
Orthopaedics
Paper Technology
Personnel Management
Pharmacy
Physiology
Philology
Philosophy
Physical Education
Physics

Physiotherapy
Political Science
Polymer Science
Poultry Husbandry
Portuguese
Printing
Psychology
Psychology (Industrial)
Public Administration
Radio Activity
Radiography
Russian Studies
Sociology
Secretaryship
Social Sciences
Spanish
Soil Science
Surveying
Statistics
Textiles
Town and Country Planning
Transport
Veterinary Sciences
Vocational Guidance
Youth Service
Zoology

Facilities for undergraduate, post-graduate and research work leading to doctorate degrees are available in the Universities and Colleges. Addresses of these academic institutions are given.

Popular non-university professional courses are also included. The courses of studies are arranged in alphabetical order. No mention of tuition fees is made since they are constantly changing. Courses in Divinity or theology are not mentioned although courses are available in most of the Universities. Latest calendars of Universities and Institutions will give the detailed information of fees and syllabus of studies. College fees for undergraduate and post-graduate courses in all Universities in Britain for overseas students only have been increased recently to a great extent. It is £250 per annum from session beginning September/October, 1967.



ACCOUNTANCY

Accountancy is included as a subject for the degree courses in Commerce or Arts or Economics in the Universities of Birmingham, Bristol, Durham, Hall, Leeds, Liverpool, London (L.S.E.), Manchester, Newcastle Upon Tyne, Nottingham, Sheffield, Southampton, Wales (Cardiff University College), Edinburgh, Glasgow, St. Andrews, Belfast, and National University of Ireland (Colleges : University College, Dublin and Cork).

The important Accountancy professional Institutes are the following:—

1. The Institute of Chartered Accountants in England and Wales, Moorgate Place, London, E.C.2.
2. The Institute of Chartered Accountants of Scotland, Edinburgh.
3. The Institute of Cost and Works Accounts, 43, Portland Place, London, W.1.

No Article can be accepted in advance as firms insist on a personal interview. One is to serve five years under Articles but for a British Graduate it is of three years' duration. Entry to this profession is very much competitive. Many Technical and Commerce Colleges in Britain run full-time and part-time courses to prepare students for this profession.

It is possible under a scheme to do both a University degree and to become an Associate of Accountancy profession simultaneously within about 5½ years. One is to attend a University in the faculty of commerce or economics for 2½ years under this scheme and to serve under Articles the remaining period.

AGRICULTURE

(See SOIL SCIENCE)

First degree Science in Agriculture Ordinary or Honours including Bacteriology, Biochemistry, Microbiology, Parasitology, Soil Science, Physiology, and related subjects is available at the Universities of Cambridge (Colleges : Cla, Joh, Qu, Selw, Sid, King's Fitzw, Pemb, Chr., Jes, Emm, Cath, and Corp), Leeds, London (College : Wye), Newcastle Upon Tyne, Nottingham, Oxford (Colleges : Joh, Ball, Qu, New, Exet, Wadh, Magd, Line, Cath and Brags), Reading, Wales (Colleges : Aber, Univ. College and Bang), Aberdeen, Edinburgh, Glasgow, Belfast, Dublin and the National University of Ireland (Colleges : University College, Cork and University College, Dublin). University of Bristol confers M.Sc., and Ph.D. in fruit-growing studies.

Facilities for Post-graduate study (M.Sc. or Diploma) and research (Ph.D.) are offered by Bristol (Long Ashton, Somerset), Cambridge, Leeds, London, Nottingham, Oxford, Reading, Wales, Aberdeen, etc. Edinburgh awards Post-graduate Diploma (1 year) in Rural Science, and London a Diploma (Post-graduate—one year) in Farm Business Administration.

Under the broadhead Agriculture, the above Universities and Colleges have facilities for teaching Horticulture, Dairying, Agricultural Engineering/Economics, Fruit-growing, Poultry Husbandry, etc., and Agricultural applications of a variety of subjects.



Non-University courses in Agriculture are available at the Royal Agricultural College (Cirencester), West of Scotland Agricultural College (Glasgow), Seale-Hayne Agricultural College (Newton Abbot), etc. These institutions prepare students for the National Diploma in Agriculture.

ANTHROPOLOGY

(See SOCIOLOGY)

First degree in Anthropology including Social Anthropology is awarded by Cambridge (Colleges : Kings, Newn, Emm, Joh, Jes, Fitz, and Sid), Durham, London (Colleges : L.S.E., S.O. & A.S., and University College), Leeds, Oxford (Colleges : Alls, Line, Mert, and Ch.Ch.), University of Wales (Colleges : Aber, University College), Sussex, Edinburgh, Glasgow, and Belfast. Post-graduate and research facilities (M.Phil., D.Phil., etc.) are available at the Universities of Cambridge, Durham, London, Sussex, Manchester, Oxford, Wales and Edinburgh.

Social Anthropology is included in Social Sciences (Academic Post-graduate Diploma or Degree) or B.A. (Administration) of Manchester University.

AERONAUTICS

(See ENGINEERING)

AGRICULTURAL ENGINEERING

(See AGRICULTURE AND ENGINEERING)

ARCHITECTURE

(See TOWN AND COUNTRY PLANNING)

First Degree in Architecture is conferred by Bristol, Cambridge (Colleges : Jes., Trin., Magd., Chur., Sid., and Chr.), Liverpool, London (College : Univ. Coll.), Manchester, Newcastle Upon Tyne, Sheffield, Wales (Colleges : Card. Univ. Coll., and Wel. Coll. Ad. Tech.), Edinburgh, Glasgow, Strathclyde, Belfast and the National University of Ireland (College : Univ. Coll., Dub.).

Facilities for Post-graduate study (M.Sc., M.Arch., P.-G. Diploma and research) are offered by the Universities of Belfast, Cambridge, Edinburgh, London (Bartlett School of Architecture—University College), New Castle Upon Tyne, Sheffield, and York University.

Non-University architecture courses of study for the national diploma level are available in many Polytechnics and Regional Colleges.

The Royal Institute of British Architects, 66, Portland Place, London, W.1., offers a five years course of study in architecture for its Associateship (A.R.I.-B.A.). The Architectural Association School of Architecture, Bedford Sq., London, W.C.1., provides a full-time five-year course of training and this course is recognised by the Royal Institute of British Architects for its Associateship.



ARCHAEOLOGY

Archaeology (Ancient History) is included as a subject in course for the first degree in the Universities of Birmingham, Durham, Cambridge (Colleges : Pet, Joh, Corp., Fitz, and Magd.), Leeds, Leicester, Liverpool, London (Colleges : University College, S.O.A.S., and Birk. Coll.), Manchester, Nottingham, Oxford (Colleges : Keb, Lin, Alls, Mert, Ch.c., Ori, New and Wadh), Wales (Colleges : Card, University College), Edinburgh, Glasgow, Belfast, Dublin (Tri. Coll.), Natl. University of Ireland (Univ. Coll. Dub., University College Cork).

Facilities for higher study and research in Archaeology are available in the Universities of Durham, Newcastle Upon Tyne, London and Liverpool.

Universities of Cambridge, Liverpool, London and Oxford confer academic post-graduate diploma in Archaeology. Academic Post-graduate diploma in Indian Archaeology and research facilities are available in London (School of Oriental and African Studies).

Institutes of Archaeology, Regent's Park, London, N.W.1. is an institute of the University of London and a centre of research and instruction for Post-graduate diploma and higher degrees.

ACTUARIES

University of Edinburgh awards an academic Post-graduate diploma in Actuarial Mathematics.

The Institute of Actuaries, Holborn, London, W.C.1, is a professional body. The course of study covers a period of years. The examinations can be taken in four subsequent Parts. This institute awards its Associateship first and then the Fellowship (F.I.A.).

ARCHIVE

Courses of studies in Archive administration at academic Post-graduate diploma level are available in the Universities of Durham, Liverpool, London (College : University College), and Wales (Colleges : Aber., University College, and Bang. Univ. Coll.), London (S.O.A.S.) offers one-year Diploma in Indian Palaeography and Epigraphy and Liverpool a Diploma (One-year) in study of Records and Administration of Archives. University College, London, also offers M.Phil. and Ph.D. in Archive Administration.

ASTRONOMY

Facilities for courses in Astronomy are offered by the Universities of Cambridge (Colleges : Joh, Chr., Cai, Cla., Tri. and Emm), London (University College), Newcastle Upon Tyne, Oxford (Colleges : New, St. Hug), Edinburgh, Aberdeen, St. Andrews, Belfast, and University of Dublin (Trin. Coll.). Sussex offers M.Sc. in Astronomy (1 year).



ART

Courses in Art are not included in Universities. University courses are mostly concerned with the History, Theory, etc. in History of the fine arts. Courses in Fine Arts are included in Bristol, Cambridge, Hull, Leeds, London, Manchester, Reading, Wales, etc., at first degree level.

The main non-university Art Colleges in London are (1) The Royal College of Art, South Kensington, London, S.W. 7. The college provides advanced instruction in the Fine Arts and in Industrial Design. It has its departments of Drawing, Painting, Sculpture, Graphic Design, Ceramics, Textile Design, Interior Design, Design in Engineering, Glass, etc.

The College awards Diplomas (A.R.C.A.) on the successful completion of a course lasting for about three years.

The other Fine Arts Colleges (2) Royal Academy School, Burlington Gardens, London, W.1. (3) The Slade School, Gower Street, London, W.C.1. (4) Central School of Arts and Crafts, Southampton Row, London, W.C.1. (5) Chelsea School of Arts. (6) London School of Printing and Graphic Art, etc. There are other Regional Colleges of Art.

BAKERY

This is non-university professional course leading to the award of the National Bakery Diploma. The full course occupies two years.

The course is available at Borough Polytechnic, Borough Road, London, S.E.1., Leeds College of Technology, Calverley Street, Leeds-1, England, and other Polytechnics.

BAR-AT-LAW COURSE

In order to gain this professional qualification in law and to be called to the Bar, a student must in the first instance be admitted to one of four Inns of court (Gray's Inn, London, W.C.1., Inner Temple, London, E.C.4), Lincoln's Inn, London, W.C.2, and the Middle Temple, London, E.C.4). A student is to pass parts I and II of the Bar examinations. A student may obtain exemption from any of the sections of part I if he is eligible under the rules.

A Bar student is required to keep terms by dining in his Inn of court on any three days in each term (four terms in a year) provided he is a member of a University in Britain otherwise six days if he is not a member.

To be called to the Bar, a student should normally keep twelve dining terms. A new rule, however, allows a student from overseas to keep eight dining terms in person and the remaining four terms being kept in absentia subject to certain conditions which the Council of Legal Education (7, Stone Buildings, Lincoln's Inn, London, W.C.2) may impose.

For admission to any of these Inns of court, a student must usually be a graduate of any University in the U.K. or any country approved by the Council of Legal Education or has attained a standard which entitles him to be exempted from being a graduate of any University. Fees are to be paid at the time of



admission but a part of this amount is returnable on call to the Bar. Applications are to be addressed to the Under Treasurer.

BANKING

Banking as an academic subject for the degrees in Economics and Commerce is available in the Universities of Birmingham, Liverpool, London (Colleges: L.S.E., and University College), Edinburgh, Dublin and the National University of Ireland.

The professional Institute, the Institute of Bankers, 10, Lombard Street, London, E.C.3, awards its Diploma (Associateship) of the Institute by examination. It requires about three years of study. The examination is open only to staff employed by Banks recognised by the Council of the Institute. A number of professional Colleges of Commerce prepare students for the Institute's examinations (Parts I and II).

BOOT AND SHOE (*See* LEATHER TECHNOLOGY)

Non-University course in Boot and Shoe manufacture leading to the Graduate examinations of the British Boot and Shoe Institution is available in the Leicester College of Technology, Cordwainers' College, London, and Northampton College of Technology. The course extends over a period of two to three years.

BIO-CHEMISTRY

Bio-Chemistry as a subject is available in the Universities of Birmingham, Bristol, Cambridge (Colleges—Joh., Tr., Cai., King's, Cla, Chur, Fitz, Chr., Newn. Cath., and Corp.), Durham, East Anglia, Hull, Nottingham, Oxford (Colleges—Trin., Ball., Qu., Pemb., Mert., Keb., Ch. Ch., New., Som., Wore, S. Cat.), Leeds, Leicester, Liverpool, Manchester, London (Colleges—Bed., Qu. Eli., Univ. Coll., Imp. Coll.), Sheffield, Southampton, Wales (Univ. Coll.), Aberdeen, Edinburgh, Strathclyde, St. Andrews, Belfast, Dublin (Tr. Coll.), National University of Ireland.

Aberdeen, Birmingham, London (Imp. Coll.), Chelsea College of Science and Technology, and Southampton offer M.Sc. courses in Bio-chemistry.

Chelsea College of Science and Technology (London), Heriot-Watt College (Edinburgh) offer facilities for Post-graduate and research study in Applied Bio-chemistry.

BIO-PHYSICS

Post-graduate study and research facilities are available in the Universities of Cambridge, Leeds, London (Colleges—Imp., Qu. Eli., Univ. Coll., King's), Manchester, Edinburgh and St. Andrews.



BIOLOGY

Biology is taught in almost all Universities at undergraduate, post-graduate and research level in the departments of Biological Sciences including Botany and Zoology.

East Anglia, Keele, Leeds, Lancaster, London (Colleges—Bedford, Birkbeck, Imp. Coll. of Science and Technology, King's, Univ. Coll., Qu. Mar., Qu. Eli., West Cal., and Royal, Hollo), Edinburgh, Strathclyde.

Non-University course of studies in Applied Biology extending over 3 years and leading to College diploma is available in many technical Colleges like Bradford Institute of Technology, Bristol College of Science and Technology, Brunel College (London), Salford Royal College of Advanced Technology, etc.

BOTANY (INCLUDING MYCOLOGY)

Most Universities except Essex and East Anglia offer a course in Botany at almost all levels including special degree in Botany. London (Colleges—Bed., Birk., Imp. Coll., King's, Univ. Coll., Qu. Eli., Qu. Mar., Roy., Hollo, and Was. Coll.), Imperial College of Science and Technology (London) also offers D.I.C. and Welsh (Aber., Univ. Coll., Ban. Univ. Coll., Swansea, Univ. Coll.).

Facilities for Post-graduate study and research in Mycology are available at the Universities of London (Imp. Coll. and Birk.), Birmingham, Bristol, Cambridge, Leeds, Manchester, Nottingham, Oxford, Sheffield, Glasgow, Wales, Newcastle Upon Tyne, Belfast, etc.

Many technical Colleges including Chelsea College of Science and Technology, London, offer Botany, for General degree and special degree of the University of London. Sir John Cass College (London) is one of them.

BUILDING SCIENCE

(See ENGINEERING—SOIL MECHANICS)

Building Science is in the field of Civil Engineering under broadhead Engineering. Building Science course is available in the Universities of Bath, Heriot-watt, Liverpool, Manchester, Newcastle Upon Tyne, Sheffield, Salford, and Strathclyde. The duration of the course for the first degree is from 3 to 4 years and post-graduate degree two years (M.Sc. Tech., Manchester).

Many technical Colleges offer sandwich (Part-time) courses in Building Science for the Higher National Diploma (H.N.D.) covering 3 to 4 years and they are Birmingham College of Advanced Technology, Brighton College of Technology, Bristol Technical College, Welsh College of Advance Technology (Cardiff), Heriot-Watt-College (Edinburgh), Leeds College of Technology, Liverpool College of Building, Salford Royal College of Advanced Technology, Sheffield College of Technology, Sunderland Technical College, etc.

Regent Street Polytechnic, London, offers a full-time two years' course for graduates who take up managerial positions in the building trade or profession.



The Northern Polytechnic, London, has its College diploma course for examinations of the Institute of Builders.

BUSINESS MANAGEMENT

(See SOCIAL SCIENCES AND INDUSTRIAL RELATIONS)

Management studies include Business Administration and the specialized fields—Industrial Management and Personnel Management, Commerce, Industrial Relations, Marketing Operational Research, etc.

London School of Economics and Political Science (University of London) awards M.Sc. (Econ.) degree with Business Administration as special subject and this course extends over two years. But admission to this course is by interview only in London. Indian students should in the first place apply for the general M.Sc. (Econ.) degree unless later transferred after personal interview to the M.Sc. (Econ.)—Business Management course.

Commerce courses leading to the first degree and Master's degree are offered by the Universities of Birmingham, Leeds, Liverpool, Strathclyde and Edinburgh (only first degree) and London offers B.Sc. (Econ.), and M.Sc. (Econ.) with commerce as special subject. London recently set up School of Business Studies. National University of Ireland offers B.Com. and M.Com., and Dublin B.Com.

University of Birmingham has a one-year Graduates' commerce diploma, Cambridge—one-year postgraduate course in Principles of Industrial Management, Leeds and Liverpool—one-year post-graduate diploma in Industrial Management, Imperial College of Science and Technology (London)—one year post-graduate D.I.C. course in operational Research and Management studies and research facilities. Manchester—Recently set up Business School, M.Sc. (Management Science) or Industrial Engineering one-year course in advanced Management studies, in Industrial Administration and in Personnel Management and has research facilities.

London School of Economics has a one-year post-graduate course in Personnel Management (Social Administration), Sheffield—one-year postgraduate diploma in Business studies, Edinburgh—one-year post-graduate diploma in Management Studies, Strathclyde—M.B.A. (one-year), M.Sc. (one-year) in operational Analysis or Industrial Administration. Strathclyde—one-year post-graduate course in Business Administration and also in Personnel Management and in Marketing. Wales (Cardiff University College) has a one-year course in Industrial Management and in Personnel Management. University of Aston (Birmingham)—M.Sc. (Industrial Administration), post-graduate diploma in Personnel Management, Warwick, Sussex and Durham—M.Sc. (one-year) Management Studies, Loughborough—M.Sc. (one-year) in Industrial Engineering and Management. Newcastle Upon Tyne—M.Sc. (one-year) in Agricultural Marketing. Cambridge and Oxford—Post-graduate diploma in Industrial Administration, Oxford also Post-graduate Diploma in Personnel Management and Social Administration. Salford—M.Sc. (one-year) and Post-graduate Diploma in Management Studies, Dublin (Trinity College) has Business Studies course.

Many technical Colleges, Polytechnics and Colleges of Commerce run professional courses in Business Management for Higher National Diploma (H.N.D.) which is usually of two years duration (full time) and award college diplomas (Intermediate and Final). After two years, successful completion of studies, one is eligible to take examinations leading to Graduate Membership of the British Institute of Management (England), 8, Hill Street, London, W.1. This Institute also confers Associateship, Membership and Fellowship. Business Management studies is more of professional type rather than academic in Britain. Offer of admissions usually go to those with long business or industrial experience.

The following institutions offer courses in professional Business Administration studies :—

Birmingham College of Advanced Technology, Botton Technical College, Bristol College of Commerce, Welsh College of Advanced Technology (Cardiff), Bradford Institute of Technology, Brighton College of Technology, Bristol Coll. of Adv. Tech. (Cardiff), Dundee Technical College, Heriot-Watt College (Edinburgh), Hull College of Commerce, Liverpool College of Commerce, City of London College, Moorgate, London, E.C.2, Balham and Tooting College of Commerce, London, Ealing Technical College, London, Hudon College of Technology, London, North-western Polytechnic, London, W.5, The Polytechnic, Regent Street, London, W.1, Manchester College of Commerce, Oxford College of Technology, Royal College of Advanced Technology (Salford), Municipal College of Commerce, Newcastle Upon Tyne, Scottish College of Commerce, Pitt Street, Glasgow, Sheffield College of Commerce and Technology, Hally Street, Sheffield, Staffordshire College of Technology, Wolverhampton, etc.

CERAMICS

University of Leeds has an honours degree and post-graduate diploma in Ceramics, Sheffield—a first degree in Refractories and Ceramics Technology, and Strathclyde, Manchester M.Sc.

North Staffordshire College of Technology (Stroke-on-Trent) provides a three-year course in Pottery and General Ceramics. This course lead to a diploma and is of degree standard and is meant for Managers or for administrative technicians or for research workers.

CATERING

Non-University course of studies in Catering, Hotel Management, Cookery, Dietetics, etc., are offered by the Northern Polytechnics, London, N.7, and the Borough Polytechnic, London, S.E.1.

CHARTERED SURVEYORS

This is Non-University course. College of Estate Management, Kensington, London, W.8, provides courses in preparation for the first, Intermediate and Final Examinations of the Royal Institution of Chartered Surveyors, England.



CHARTERED SECRETARYSHIP

This is no University course. Many Polytechnics and Technical Colleges in Britain prepare students either full-time or part-time for examinations of the Chartered Institute of Secretaries, 16, George Street, London, E.C.4.

COST ACCOUNTANCY

See ACCOUNTANCY

CHEMICAL—COLOUR

(*See* TEXTILES)

Courses of studies are offered by the Universities of Leeds, Manchester, Glasgow, Strathclyde and Belfast.

Technical Colleges like Bradford Institute of Technology, and Nottingham Technical College run courses for H.N.D. and for examinations leading to Associateship in Chemistry, Dyeing, Finishing, etc., of the Royal Institute of Chemistry, London.

CHEMICAL—(TECHNOLOGY)

Facilities for teaching chemical technology including Industrial Chemistry are available in the Universities of Edinburgh, Brunel, Bradford, London (Imperial College of Science and Technology), Liverpool, Glasgow, Strathclyde, Surrey, Heriot-Watt and Belfast. Imp. Coll. of Sc. and Tech, Liverpool, Loughborough and Surrey have facilities for post-graduate and research work.

Many technical and Advanced Technology Colleges offer Diploma courses and for the course in Applied Chemistry leading to Grad. R.I.C. (Also Associateship, Fellowship, etc.) of the Royal Institute of Chemistry, 30, Russell Square, London, W.C.1.

CRIMINOLOGY

This course is available in the Universities of Cambridge (Colleges—Chur, King's, Newn and Trin.), Leeds and London (L.S.E.), and Oxford.

CHILD CARE

[*See* CHILD HEALTH (MEDICINE AND SURGERY) AND NURSING]

Universities of Birmingham and Edinburgh award a certificate (one-year course) in Child Service and Care. Leeds offers a diploma (one-year course) in education of backward children, and London (Institute of Education) in co-operation with the Institute of Child Health has a Research and Training Centre in Child Welfare and provides advanced courses of training in child care.



COMMERCE

(See BUSINESS MANAGEMENT)

B.Com. Honours and ordinary and M.Com. are awarded by the Universities of Birmingham, Leeds, Liverpool, Strathclyde, Edinburgh (B.Com. only), Dublin (B.Com) and the National University of Ireland (both B.Com. and M.Com.). London grants B.Sc. (Econ.), M.Sc. (Econ.) in Commerce (subjects). Birmingham also offers Graduates' Commerce Diploma (one-year course).

CHEMICAL ENGINEERING

(See ENGINEERING—CHEMICAL)

CHEMISTRY

All Universities in Britain and the Republic of Ireland have facilities for teaching Chemistry and allied subjects like Polymer Technology, etc., at degree level. Most Universities have facilities of Post-graduate study and research in Chemistry.

Bristol has research facilities for Analytical Chemistry and Colloids, Imperial College of Science and Technology (London)—for Chemistry of natural products, electrochemistry, Radiation Chemistry, etc., Aberdeen—for Silicate Chemistry, Polymer Technology and Advanced Analysis, Durham—for Radiochemistry, Leeds for Reaction Kinetics and Mechanism, and Chelsea College of Science and Technology, London, offers M.Sc. (one-year) in Analytical Chemistry, Manchester for Hydrocarbon Chemistry, Sussex—for organo-metallic Chemistry, Warwick—for Molecular Enzymology and Strathclyde—for Chemical Process Development. University of Surrey offers M.Sc. in Spectroscopy and has research facilities. The following Colleges affiliated to the University of London but come under the broad head Technical Colleges run courses in Chemistry at first degree level :—

1. Chelsea College of Science and Technology, London. (2) Sir John Cass College, London. (3) West Ham College of Technology, London. (4) Woolwich Polytechnic, London. (5) Northern Polytechnic, London, etc. And Sunderland Technical College, Royal College of Advanced Technology (Salford), Wolverhampton and Staffordshire College of Technology, etc.

Many Technical Colleges run course in Chemistry for H.N.D. and examinations of the Royal Institute of Chemistry.

CONCRETE TECHNOLOGY

(See ENGINEERING)

DAIRY SCIENCE

(See AGRICULTURE also)

Courses and facilities in Dairying for post-graduate and research work are offered by Universities of London (Wye College), Reading, Wales (Aber. Univ.



Coll.), Edinburgh, Belfast, and National University of Ireland (University College, Cork).

Diploma course in Dairy Husbandry at non-University level is run by North of Scotland College of Agriculture (Aberdeen), West of Scotland Agricultural College (Glasgow), Hutton Institute of Agriculture, Seale-Hayne Agricultural College (Newton Abbot).

DENTISTRY

The chances of Indian or overseas students for getting place in Dentistry or Dental Surgery course in the United Kingdom and the Republic of Ireland are very less.

In order to be a graduate (B.D.S.) or B.Ch.D. (Leeds) of a University in Britain or the Republic of Ireland ; and a Licentiate (L.D.S.) of one of the Royal Colleges of Surgeons of England, Edinburgh, Glasgow or Ireland, a student is to study dentistry for four to about five years.

The first degree is awarded by Universities of Birmingham, Bristol, Leeds, Liverpool, London (Guy's, King's Royal Dental and University College Hospital Dental Schools), Manchester, Newcastle, Sheffield, Wales (National School of Medicine), Edinburgh, Glasgow, St. Andrews, Belfast, Dublin and the National University of Ireland (University College, Cork).

Dental Diplomas are granted by the Universities of Bristol, Leeds, and Manchester.

Post-graduate dental courses (M.D.S. or M.Ch.D.—Leeds) are available in all Universities granting first degree except Wales University and the Royal Colleges of Surgeons of England and Edinburgh award Fellowship in Dental Surgery (F.D.S.).

Bachelors of Dental Surgery and of approved Universities with one to three years' standing may be allowed to do M.D.S. course. Manchester awards D.D.S., and Newcastle Upon Tyne and St. Andrews award D.D.Sc., St. Andrews also awards one year diploma course in Public Dentistry (D.P.D.) and this course is meant only for persons with a registrable qualification in Dentistry.

Institute of Dental Surgery (University of London) arranges Dental Surgery courses for qualified dental practitioners. The Royal College of Surgeons (England) also awards D.Orth. (Diploma in Orthodontics) and the Royal College of Surgeons (Glasgow), D.D.O. (Diploma in Dental Orthopaedics), and H.D.D. (Higher Dental Diploma).

DIETETICS (INCLUDING NUTRITION)

Queen Elizabeth College (London University) offers degree course in Science (Nutrition), and one-year post-graduate diploma in Nutrition and Dietetics. London School of Hygiene and Tropical Medicine has facilities for post-graduate work.

The British Dietetic Association, 251, Brompton Road, London, S.W.3, Ealing Technical College (London), Battersea College of Technology (London), Northern Polytechnic (London), Leeds College of Technology, West of Scotland College of Domestic Science (Glasgow) and Lelandaff Technical College (Cardiff),



have facilities for non-university diploma courses in Dietetics extending over 1½ to 4 years according to candidates' qualifications.

DOMESTIC SCIENCE (INCLUDING HOUSEHOLD SCIENCE)

A Bachelor of Science degree in Household Science and Domestic Science is awarded by London (Queen Elizabeth College) and Bristol respectively.

Non-University courses in Home or Domestic Science extending over three years are available in many technical Colleges like Robert Gordon's Technical College (Aberdeen), College of Domestic Science (Bath.), College of Technology (Belfast), College of Domestic Science (Edinburgh), West of Scotland College of Domestic Science (Glasgow), Domestic Science Training College (Leicester), London (Northern Polytechnic and National Society's Training College of Domestic Subjects), College of Housecraft (Manchester), Technical College (Salford), etc.

National Training College of Domestic Subjects, 72, Buckingham Palace Road, London, S.W.1., Battersea Training College of Domestic Science, 58 North Side, London, S.W.3, National Society's Training College of Domestic Subjects, Fortune Green Road, London, N.W.6, have a 3-year course of Teacher's certificate of the Institute of Education under the University of London. Domestic Science Training College, Knighton Fields, Leicester, has a 3-year Teacher's Certificate course of the Institute of Education under the University of Birmingham, etc.

DRAMA

Bristol awards postgraduate certificate (one-year) in Drama. London (Royal Academy of Dramatic Art) has a two-year Diploma course in Dramatic Art. Manchester confers one-year postgraduate Diploma in Drama. Glasgow has a two-year postgraduate Diploma in Dramatic studies.

Non-University courses in Drama, speech including theatrical design are available at London Academy of Music and Dramatic Art, Old Vic Theatre School (Bristol), College of Music and Drama (Cardiff), etc.

ECONOMICS

First degree pass and honours degrees with specialisation in Economics are awarded by all Universities like Birmingham, Bristol, Cambridge (Colleges—Cla, Cai, King's, Girt, Fitz, Qu, Pet, Selw), Durham, Leeds, Liverpool, London (Lon.S.E., SOAS, Univ. Coll. (Pol. Econ.), Wye Coll.), Newcastle (Agricultural Econ.), Nottingham, Oxford (Colleges—Pemb, New, S.Ant., Trin, Wadh), Sheffield, Wales (Abert, Bang, Univ. Coll., Swansea), Edinburgh, Glasgow, Strathclyde (Ind. Econ.), etc. Postgraduate degree and Research facilities leading to doctorate degrees are awarded by most Universities. London School of Economics and Political Science of London University provides a course in Economics for Engineers and Applied Scientists. Manchester and Oxford award a one-year Postgraduate diploma in Economic Development (Advanced Studies).

Most technical Colleges provide courses in Electrical Engineering with emphasis on Applied Electronics for H.N.D. The British Institution of Radio Engineers, 9, Bedford Square, London, W.C.1, awards its Membership to students after satisfying its requirements.

Civil, Electrical and Mechanical—Except East Anglia, Essex, Exeter, Hull, Keele, Lancaster, Reading and York, all Universities run courses in Engineering (Civil, Mechanical and Electrical) leading to Bachelor of Science (Engineering). London (Imperial College, King's University College, Queen Mary), Battersea College of Science and Technology (Now University of Surrey), West Ham College of Technology and Woolwich Polytechnic and Northampton College of Advanced Technology (these three affiliated to the University of London), Wales (Cardiff, Swansea), Manchester College of Science and Technology (University of Manchester), University of Strathclyde, etc. are some of the popular institutions where overseas students prefer to go.

All the Universities offering first degree courses in Civil, Electrical and Mechanical, have facilities for post-graduate, Diploma, Master's degree and research work. Postgraduate courses are usually of one-year duration.

Universities of Birmingham (has facilities for Thermodynamics, and related studies, Electrical Machinery, Information Engineering, Foundation Engineering), Liverpool (leading to M.Eng.—has facilities for Power Plants and related subjects, combustion Power Plants, Turbomachinery), London—(Imperial College offers D.I.C., M.Sc., Ph.D., in Hydro-power, River Structures and Fluid Mechanics, Engineering Hydrology, Electrical Machines and Power Systems, Applied Mechanics, Thermal Power and Process Engineering, Electric Traction, London (Queen Mary College)—M.Sc. in Electrical properties of Matter, Electrical systems and control, London (University College—Diploma in Microwave Engineering), Manchester (Diploma or M.Sc. Tech. in Electrical Power Systems Engineering), New Castle Upon Tyne—(Diploma or certificate in Electrical Power Engineering, Hydrology), Edinburgh (Diploma in Applied Dynamics), Bradford, Battersea, Leeds, Loughborough, Southampton, Strathclyde, Sheffield, etc., are some of the preferred ones for post-graduate studies by overseas students.

Many technical Colleges provide courses in Civil, Electrical and Mechanical of three years' duration and leading to B.Sc. (Engg.) external degree of London University or College Diplomas or Associateships. A good many in such institutions run two-year full-time courses leading to H.N.D.

Heriot-Watt College (Edinburgh) offers B.Sc. (Engg.) (3 years' full-time course) of Edinburgh University. Enfield Technical College (Middlesex), Staffordshire College of Technology (Stafford), The Polytechnic, Regent Street, London, W. C. I., South-West Essex Technical College, London, E.17, all these offer course in B.Sc. (Engg.) external degree of the University of London. College of Advanced Technology (Birmingham) provides B.Sc. (Engg.) course of the University of Birmingham.

The Institution of Civil, Electrical and Mechanical Engineers, London, award Membership, Associateship, etc. (Institution of Civil Engineers, Great George Street, London, S.W.1, Institutions of Electrical Engineers, Savoy Place, Victoria Embankment, London, W.C.2, Institution of Mechanical Engineers, 1, Birdcage Walk, London, S.W.1).

Control—Control Engineering is included in the first degree course offered by the Universities of Leeds, Nottingham, Reading and Wales (Cardiff and

Swansea). Aston, Birmingham offer a one-year Diploma or M.Sc. course in Information Engineering, Cambridge a Post-graduate one-year certificate course in Control Engineering and has research facilities, Manchester—M.Sc. Tech. course in theory and practice of Automatic Control and has facilities for research, and London (Imperial College of Science and Technology)—has D.I.C. or M.Sc. and Ph.D. in Automatic Control Systems. Surrey, Chelsea, Loughborough, Salford, Warwick, Welsh, etc. have courses at post-graduate level and research facilities.

Technical College like Institute of Technology (Bradford) has a one-year Post-graduate course in Automation. College of Aeronautics (Cranfield) has a postgraduate one-year course in Control Engineering. Battersea College of Technology (London) and Loughborough College of Technology (raised to Loughborough University) offer one-year post-graduate College Diploma.

High Way—Highway and Traffic studies are included in Civil Engineering at first degree level in most Universities. Universities of Birmingham and Liverpool offer courses leading to Diploma (Post-graduate) or M.Sc. or M.Eng. in Traffic and Highway Engineering usually of one year duration. Newcastle-Upon-Tyne, Surrey and Strathclyde have facilities for one-year Diploma at Post-graduate level, and London (Imperial College of Science and Technology) has post-graduate facilities.

Heating and Ventilating—Non-University course in Heating, Ventilating, Refrigeration and Fan Engineering is available only in the National College of Heating, Ventilating, Refrigeration and Fan Engineering (Borough Polytechnic, London, S.E.1). It has one-year College Diploma and one-year Associateship course at post-graduate level.

Marine and Naval Architecture—First degree courses in Marine and Naval Architecture are offered by Universities of Belfast, Surrey, Liverpool, Newcastle-Upon-Tyne, Glasgow and Strathclyde (It offers M.Sc.).

Non-University courses for the certificate of competency of the British Ministry of Transport and for the Associate Membership of the Institute of Marine Engineers (76, Mark Lane, London, E.C.3) are available in Leith Nautical College (Edinburgh), Stow College of Engineering (Glasgow), Technical College (Dundee), College of Technology (Belfast, Hull, Liverpool and Southampton), London (Poplar Technical College, Poplar High Street, London, E.14), etc., College of Technology (Southampton) and Constantine College of Technology (Middlesbrough) also offer Naval Architecture and Marine Engineering respectively leading to H.N.D. Sunderland Technical College has a degree course in Marine Engineering of Durham University.

Materials—Material Engineering is included in Civil Engineering. M.Sc. (one-year) in Material Engineering (Aston University, Birmingham).

Precision—Precision Engineering is not University course and a one-year Post-graduate course in Precision Engineering is offered by College of Aeronautics (Cranfield).

Nuclear—Nuclear Engineering is included in the first degree courses of Universities of Nottingham and Southampton, Universities of Birmingham, Liverpool, London (Imperial College of Science and Technology, and Queen Mary College), Manchester, Glasgow and Strathclyde have facilities for post-graduate work (one-year course) and research facilities.

Some Technical Colleges and Atomic Energy Authority (Harwell and Calderbridge) have facilities for shorter post-graduate courses lasting 6 to 20 weeks in Nuclear Reactor Engineering, Nuclear Power Technology, etc.

Heriot-watt College (Edinburgh) offers its Associateship course in Engineering (Nuclear Power).

Production—Production Engineering including Machine Tools and Machinery are included in the first degree Mechanical Engineering subjects of Universities of Birmingham, Manchester, Nottingham, Glasgow and Belfast.

Facilities for one-year postgraduate Diploma or M.Sc., and research are available at London (Imperial College of Science and Technology—D.I.C.), Birmingham, Manchester (M.Sc. Tech.), Newcastle-Upon-Tyne (Post-graduate Certificate) and Strathclyde.

Most technical College offers Sandwich courses in Production Engineering leading to H.N.D.

Heriot-Watt College(Edinburgh) has Associateship course of 4years' duration, Loughborough College of Technology (raised to Loughborough University) a one-year post-graduate course in Industrial Engineering.

Willesden Technical College (London) prepares students for Associate Membership examinations of the Institution of Production Engineers, 10, Chesterfield Street, London, W.1. (A.M.I.Prod.E.).

Municipal and Public Health—Most Universities providing courses for the first degree in Civil Engineering have Municipal and Public Health Engineering included in the syllabus of University College (London), Bradford and Manchester. Imperial College of Science and Technology, and School of Hygiene and Tropical Medicine both of London University, in collaboration, offer D.I.C. or M.Sc. in Public Health Engineering, and these four institutions have research facilities.

Newcastle-Upon-Tyne offers post-graduate certificate, Diploma and M.Sc., each of one years' duration. Strathclyde has one-year Post-graduate Diploma in Environmental Engineering and Research utilisation, and M.Sc.

Technical College like Birmingham College of Advanced Technology has Sandwich Associateship course in Environmental Hygiene and Lanchester College of Technology (Coventry) a Sandwich College Diploma course in Municipal Engineering.

Structural—All Universities including Southampton offering first degree in Civil Engineering have theory and design of structures, materials, etc., included in the course.

Cambridge has a post-graduate (one-year) certificate course in theory of structures and strength of materials and so has Newcastle-Upon-Tyne, Strathclyde and Surrey. Manchester offers M.Sc.Tech. and Leeds M.Sc., and London (Imperial College of Science and Technology) has both D.I.C. and M.Sc. in Structural Engineering. London and Manchester have research facilities as well.

Most technical colleges like Bradford Institute of Technology, Brighton College of Technology, Hammersmith College of Art and Building (London), Willesden Technical College (London), Royal College of Advanced Technology (Salford), etc., prepare students on three-years' basis for Graduateship and Associateship of the Institution of Structural Engineers (Grad. I Struct.E., A.M.I.Struct.E.), 11, Upper Belgrave Street, London, W.1.



Soil Mechanics (See Building Science)—Soil Mechanics is included in the first degree Engineering (Civil). Facilities for Post-graduate studies and research are available at Cambridge, London (Imperial, King's, Queen Mary, University College), Surrey, Manchester, Nottingham, Glasgow, etc.

Birmingham offers M.Sc. or Diploma in theoretical soil mechanics applied to Foundation or highway engineering, London (Imperial College, D.I.C. in Soil Mechanics), New Castle—Highway and Traffic Engineering, and Glasgow.

ENGLISH LANGUAGE AND LITERATURE

Facilities for study of English Language and Literature are available in all universities such as Birmingham, Bristol, Cambridge (Colleges—Pemb., Girt., King's, Joh., Cai., Cath., Chr., Cla., Trin., Magd., Jes., Newn., Selw.), Leeds, London (Bed., King's, Queen Mary, Royal Hall, University College, Westfi. College), Manchester, Oxford (Pemb., Mert., New, Joh., Jes., Magd., Ch.Ch., S. Ann., Cat., Som., Wadh, Bras, S. Elm.), Sheffield, Wales (Abert, Bang, Univ. College, Swansea), Strathclyde, Edinburgh, Glasgow, Dublin, National University of Ireland.

Some Universities have courses either in English Language or English Literature or both. Cambridge offers English Tripos and Anglo-Saxon Tripos.

Most Universities have facilities for post-graduate study and research.

Facilities for Linguistic study at post-graduate and research level are available at London, Leeds, York, Glasgow, Edinburgh, etc.

Some Universities like Exeter, Leeds, London, Manchester, Southampton, etc. offer post-graduate Diploma (one-year) course in the Teaching of English.

There are a number of Schools all over Britain which teach English as a foreign language to overseas students or others.

ESTATE MANAGEMENT

Facilities for study in Estate Management are available in Cambridge, Leeds offers one-year post-graduate diploma in Farm Management and London offers B.Sc., and M.Sc. in Estate Management (College of Estate Management).

FOOD TECHNOLOGY

First degree Science/Technology courses in Food Technology (Food Science, Nutrition, etc.) are available at Leeds, Nottingham, Reading, Glasgow, Surrey and Strathclyde Universities.

Post-graduate study and research facilities are provided by the Universities of Birmingham, Leeds, Reading and Strathclyde.

Chelsea College of Science and Technology has facilities for postgraduate work in the Chemistry of foods and drugs.

Borough Polytechnic (London) provides courses leading to H.N.D. in Bakery and Cereal Technology, in Chocolate and sugar confectionery.

National College of Food Technology, Waybridge, Surrey offers one-year Post-graduate course in Food Technology and in Food Microbiology.



Fisheries

Universities of Aberdeen, Liverpool, etc. offer first degree course in Zoology with specialisation in Fresh water and Marine Biology.

Advanced work in Fisheries are available at Fisheries Research Laboratory, Torry-Aberdeen, Fisheries Laboratory (Ministry of Agriculture and Fisheries), Lowestoft, Fresh water Biological Association, Ambleside, Westmorland, Fisheries Experimental Station, Conway, North Wales, etc.

Fine Art (*See Art*)

FILM SCIENCE

London (University College) and (Slade School of Fine Art), Manchester and Bristol provide post-graduate diploma courses in Drama (one-year) Bristol offers first degree with subjects like Drama, Films, Radio and Television Drama.

Foundry Technology

University of Birmingham and Loughborough offer B.Sc. or M.Sc. or B.Tech. in Foundry Science.

Non-university courses in Foundry Technology are provided by National Foundry College, Wolverhampton, Staffordshire, Constantine College of Technology (Middlesborough) and Bolton Technical College.

Forestry

Courses in Forestry at first degree and post-graduate Diploma levels with facilities for research are available at the Universities of Edinburgh, Aberdeen, Oxford, Wales (Bang.), and the National University of Ireland (University College, Dublin). Cambridge offers Tripos degree including courses in Land Economy.

Fuel Technology (*See Mining*)

First degree Science courses in Fuel Technology, Fuel Science including Gas Engineering, Fuel and Chemical Engineering are available at the Universities of Leeds (Gas), London (Imperial College, and University College—covering coal, Gas and Oil), Surrey, Sheffield, and Wales, Cardiff—Coal and oil).

All these Universities and Birmingham (Petroleum), Manchester and Newcastle-Upon-Tyne, Salford, Strathclyde have facilities for Post-graduate studies and research.

West Ham College of Technology (London), Heriot-Watt College (Edinburgh) offer courses in Chemical Engineering and Gas Engineering, respectively.

Royal College of Advanced Technology (Salford), Enfield College of Technology, etc., prepare students for Associateship and Membership of the Institution of Gas Engineers.



GEOGRAPHY

There are facilities for study in Geography at first degree and post-graduate level or research at most Universities. No facilities available for study in Geography at the Universities of East Anglia, Essex, York, and Lancaster. Facilities at London (Colleges—Bedford, Birkinham, King's, Queen Mary, Royal Holloway, University College and L.S.E. and P.Sc.), Wales (College—Aber., Swan.), Cambridge (Colleges—Cath, Sid, Joh, Newn, Jes, Girton, Fitz, Pet., Cai., Magd.), Oxford (Colleges—Hert, S. Edm., S. Joh., Jes, Keble, Ball, S. Pet, S. Hug), University of Dublin (Trinity College), National University of Ireland (University College, Dublin and Cork), etc.

GEOLOGY

Geology is available in the first degree course (Science) at all Universities except East Anglia, Essex, Sussex, Lancaster, and York, London (Colleges—Bed., Birk., Imp., King's, Queen Mary, University College), Cambridge (Colleges—Sid, Trin., Cla., Chr., Cai., Chur., Qu., Corp., Newn), Oxford (Colleges—Univ., S. Edm., Ori., Palae), Wales (Aber., Cardiff, Swansea), Dublin (Trin. Coll.), National University of Ireland (University College (Dublin) and Cork). Facilities for Post-graduate study and research in Geology, Mineralogy, etc., are available in most Universities. Leeds awards one-year or two-year Master's degree (Science) in Geochemistry and Oxford offers one-year Post-graduate Diploma in Geochemistry. Aberdeen awards Master's degree (Science) in many branches of Geology. London (Imperial College) awards D.I.C. or M.Sc. one-year course in Engineering Geology, Mineral Exploration, Micropalaeontology, Palaeoecology, ore Microscopy, Petroleum Geology, etc. One-year Post-graduate Diploma in Micropalaeontology is awarded by London (University College), and Wales (Aberdeen).

Geophysics

Universities of Birmingham, Bristol, Cambridge (Trin, Chur, Joh, King's Pet), Durham, Leeds, Oxford (Bras, Hert), Reading, Glasgow, etc., offer courses in Geophysics including Geology, Metal Mining and Applied Geophysics.

Facilities for post-graduate work and research are available at Birmingham, Bristol, Cambridge, Durham, Leeds, London (Imperial College), also facilities in Physical Oceanography at Newcastle-Upon-Tyne, Reading and Glasgow.

Glass Technology

Sheffield University offers courses at first degree level and has facilities for post-graduate study (Diploma) and research.

St. Helens Technology College, St. Helens, Lancashire, offers courses at H.N.D. level (Sandwich).



History

History as a subject or specialisation at first degree level is available at almost all Universities except Essex, East Anglia, Keele, Lancaster and Sussex. London (Colleges—Bed., Birk., King's, L.S.E., Qu. Mar., S.O.A.S., Univ. Coll., Westfield and Royal Hall), Cambridge (almost all Colleges), Oxford (Ancient and Modern History—almost all Colleges).

Facilities for post-graduate study (M.Phil.) and research are there at most Universities.

HORTICULTURE (*See* AGRICULTURE)

Facilities for study Horticulture at degree and post-graduate level and research are available at Bristol, London (Wye College), Nottingham, Reading, St. Andrews, etc.

Royal Botanical Garden (Edinburgh), West of Scotland Agricultural College (Glasgow), Studley College (for women), Waterperry Horticultural School (Wheatley)—for women, Royal Horticultural Society's Gardens (Wisley)—for men, provide courses for 1, 2 or 3 years leading to certificate, diploma or National Diploma in Horticulture.

HOSPITAL ADMINISTRATION

Edinburgh University offers one-year post-graduate Diploma course in Medical Services Administration. London School of Hygiene and Tropical Medicine (London) arranges a 10-week course in Medical services Administration. Leeds provides a residential course for Hospital Administrators of the British National Health Service and from overseas. Manchester offers Diploma for Advanced studies.

The Institute of Hospital Administrators, 75, Portland Place, London, W.1., offers its Associateship course.

HOTEL AND CATERING

(*See* CATERING)

INDUSTRIAL RELATIONS

(*See* SOCIAL SCIENCES AND BUSINESS MANAGEMENT)

Industrial Relations and Labour Welfare subjects are included in courses like Social Sciences and Personnel Management.

University of Birmingham offers courses in Social Services leading to degree and Master's degree (M.S.Sc.) and Industrial Relations is available as a subject.

Southampton offers a science degree course in Social Science with Industry and Trade as main subjects.



INTERNATIONAL RELATIONS

International Relations is included as a subject in the first degree course—Birmingham University (B.Com. and B.Soc.Sc.), Leicester (B.A. Social Sciences), Southampton—B.Sc. (Social Sciences), Wales—B.A. Honours (International Politics), London Colleges—University College and L.S.E., B.Sc. (Econ.), M.Sc. (Econ.), Ph.D. or M.Phil. and it also offers a 2-year post-graduate course leading to certificate in International studies, and a one-year course for foreign service career officers, and Oxford, B.A. (Honours), and Aberdeen, M.A. (first degree).

JOURNALISM

Non-University one-year diploma course in Journalism is available at the Polytechnic, 309 Regent Street, London, W.1.

LAW

Most Universities offer first degree course in Law (LL.B.) except Durham, East Anglia, Essex, Keele, Lancaster, Leicester, Reading, Sussex, York, etc.

Cambridge offers B.A. Law Tripos, its one-year LL.B. course is open to those who are already B.A. Law Tripos and those Graduates who are Barristers or Solicitors.

Cambridge (Colleges—Trin., Jes., Jeh., Cla., Qu., Magd., Cath., Pemb., Emm., Cai., Chr., Down.).

Oxford offers B.A. Honours (School of Jurisprudence). Oxford (Colleges—All.S., S.Joh., Univ. Brass, Qu., Magd., Ball., Pemb., Wadh., S.Edm., S.Cat., Ch.Ch., Trin., Oriel.).

London (Colleges—King's, Univ. Coll., L.S.E.).

Wales (Aber) grants LL.B., Scottish Universities grant LL.B. based on Scots Law. Dublin and National University of Ireland also grant first degree in Law.

Facilities for the study of Master of Laws (LL.M.) and research are available at London (Kings, Univ. Coll., L.S.E., S.O.A.S.), Birmingham, Bristol, Cambridge (Cab. Univ. Law graduates only), Manchester, Leeds, Nottingham, Sheffield, Wales, Belfast, etc.

Oxford confers B.C.L., D.C.L.

For legal profession see Barrister-at-Law course.

INTERNATIONAL LAW

International Law is included as a subject in the Law course. London (L.S.E.) offers a 2-year certificate course in International studies. Cambridge, Manchester, Nottingham, and Southampton offer one-year post-graduate Diploma course in International Law.



LEATHER TECHNOLOGY

(See BOOT AND SHOE)

Leeds confers a Science degree and M. Sc. in Leather manufacture. Also two-year or one-year post-graduate Diploma in Leather Science. Has research facilities.

Non-University Diploma in Boot and Shoe manufacture is available at Cord Wainers Technical College (Mare Street, London, E.8), College of Technology (Northampton), and National Leather Sellers College (176, Tower Bridge Road, London, S.E.1) runs its Associateship course and Diploma course. These courses are of two to three years' duration.

LIBRARIANSHIP

(Including Archive)

Sheffield, Strathclyde, Belfast, and London (University College) award one-year Post-graduate Diploma in Librarianship.

School of Librarianship and Archive, University College, London also awards Post-graduate Diploma in Archive Administration. National University of Ireland awards Diploma in Library Training.

London offers M.A., M.Phil., and Ph.D. in Librarianship.

Non-University two-year full time course in Librarianship are available in many Polytechnics like Ealing Technical Colleges (St. Mary's Road, Ealing, London, W.5), North Western Polytechnic, London, Leeds College of Commerce, Liverpool College of Commerce, Manchester College of Commerce, Loughborough College of Further Education, Leicestershire, Scottish College of Commerce (Glasgow), Birmingham College of Commerce, Aberystwyth (Wales), etc. There are Professional examinations, A.L.A. and F.L.A. (Associateship and Fellowship) of Library Association, Malet Place, London, W.C.1.

LINGUISTICS

(Including Phonetics and Philosophy)

General Linguistics is included as a subject in English language and literature at first degree at the Universities of Cambridge, Hull, Leeds, Manchester, Nottingham, York, etc.

Post-graduate study including one-year Post-graduate Diploma and research facilities in Linguistics and Phonetics are available at the Universities of Birmingham, Manchester, York, London (University College and S.O.A.S.), Wales (University College), Edinburgh, Glasgow and Dublin.

London, Newcastle-Upon-Tyne and York offer M.Phil. and Ph.D.



MACHINE TOOL TECHNOLOGY

(See Production Engineering)

MANAGEMENT STUDIES

(See Business Management)

MATHEMATICS

(See Statistics)

Mathematics as a special subject or at honours level may be offered at first degree at all Universities. Post-graduate Study and research in Mathematics including pure and applied are available at most Universities. Birmingham has facilities for Mathematical Statistics, Fluid Mechanics, Leeds for Pure and Applied Mathematics, Liverpool for Methods of Applied Mathematics, Topology, London (Imperial College) for Pure and Applied Mathematics, Mathematical Physics, London (Queen Mary College) for selected topics in Algebra, Group Theory, Scattering Theory, Statistical Mechanics, Magnetohydrodynamics, Manchester for Mechanics of Fluids, Mechanics of Solids, Wales (Aber University College) for physics of Atmosphere, Wales (Cardiff College) for Solid State Physics.

MARINE BIOLOGY & OCEANOGRAPHY

Courses in Marine Biology and Oceanography are included in Biological Sciences, *i.e.*, Biology, Zoology, including even Botany and Physiology at first degree science at Universities of Birmingham, Bristol, East Anglia, Exeter, Hull, Liverpool, London, Nottingham, New Castle Upon Tyne, Sheffield, Southampton, Wales, Aberdeen, Glasgow, St. Andrews, Belfast, etc.

Post-graduate study and research facilities are available at Birmingham (Marine Geophysics, Under-water Acoustics), Exeter, Hull, Liverpool (Port Erin Marine Biological station, Isle of Man), Newcastle (Dove Marine Laboratory, Culler Coats), Southampton, Wales (Marine Biology Station, Bangor), Glasgow (Loch Lomond Station for Fresh water Biology), St. Andrews (Gatty Marine Laboratory), Aberdeen (Marine Laboratory of Scottish Department of Agriculture and Fisheries).

METEOROLOGY

Meteorology is included at first degree level at Cambridge (Geographical Tripos), Oxford (Natural Science-Physics), Edinburgh, etc.

Courses in Meteorology and Climatology at Post-graduate degree and diploma level with research facilities are available in Birmingham, St. Andrews, Wales, and London (Imperial College of Science and Technology).

MEDICINE AND SURGERY

It is extremely difficult to get a place in the first degree Medicine and Surgery course for an Indian or Overseas student in Britain and Ireland because of heavy demands from native students for entry to University Medical Schools or Colleges. First degree courses in Medicine and Surgery (M.B., B.S. or M.B., Ch.B.) are awarded by the Universities of Birmingham, Bristol, Cambridge, Leeds, Liverpool, London, Manchester, Newcastle Upon Tyne, Oxford, Sheffield, Wales, Edinburgh, Glasgow, Aberdeen, St. Andrews, Belfast, Dublin and the National University of Ireland.

Oxford requires candidates to obtain an honours degree in Arts or Science before admission to the Medical degree course otherwise candidates must have passed the recognised examination in general education and in Physics, Chemistry and Biology.

The Medical course extends over five to six academic years—satisfactory attendance at recognised courses of study and hospital practice and after passing must spend a year in specified appointment in recognised hospitals before full medical registration by the General Medical Council, 44 Hallow Street, London, W.1.

Other registrable qualifications by passing examinations after taking necessary courses of instruction, are conferred by the Royal College of Physicians (London)—Licentiate (L.R.C.P., the Royal College of Surgeons (England)—Membership (M.R.C.S.), the Society of Apothecaries (London), Queen Victoria Street, London, E.C.2)—L.M.S.S.A., the Royal College of Physicians (Edinburgh)—L.R.C.P., the Royal College of Surgeons (Edinburgh)—M.R.C.S., The Royal College of Physicians (Glasgow)—L.R.C.P., the Royal College of Surgeons (Glasgow)—M.R.C.S., the Royal College of Physicians (Ireland)—L.L.M., R.C.P., the Royal College of Surgeons (Ireland)—L.L.M., R.C.S., and Apothecaries' Hall (Dublin)—L.A.H.

Advanced degrees in Medicine and Surgery like M.D., M.S., M.Chir, Ch.M., are offered by all the Universities granting first degrees in medicine and surgery. Two years of approved research in the University are necessary after obtaining first degree recognised for registration by the General Medical Council.

Other Post-graduate qualifications like Membership and Fellowship by examinations, are awarded by the Royal College of Physicians (Pall Mall East, London, S.W.1.)—M.R.C.P., the Royal College of Surgeons (Queen Square, London, W.C.1)—F.R.C.S., the Royal College of Physicians (9, Queen Street, Edinburgh—2) M.R.C.P., The Royal College of Surgeons (18, Nicolson Street, Edinburgh—8)—F.R.C.S., The Royal College of Physicians and Surgeons (242, St. Vincent Street, Glasgow, C-2)—M.R.C.P., F.R.C.S., the Royal College of Surgeons and physicians (St. Stephen's Green, Dublin)—F.R.C.S., M.R.C.P., and F.R.C.S. examinations are held twice in a year. There are primary and Final examinations for F.R.C.S.

Advanced courses of instruction (3 months) in General Medicine are available at London Hospital Medical College and Post-graduate Medical School and Edinburgh. Sheffield has an advanced part-time course of instruction in Medicine for M.R.C.P., courses are also arranged by the Fellowship of Post-graduate Medicine, 60, Portland Place, London, W.1.

Advanced courses in surgery are available at London (Post-graduate Medical School—3 months, Guy's Hospital Medical School—10 weeks, St. Thomas's

Hospital Medical School—8 weeks, the Royal College of Surgeons—8 weeks, Edinburgh—3 months and Glasgow—10 weeks). Sheffield offers a part-time 9 months course of instruction for F.R.C.S.

British Post-graduate Medical Federation, 18, Guildford Street, London, W.C.1, is a School of the University of London and this Federation has a number of Institutes of various fields of medicine and surgery under it and is associated with Post-graduate teaching hospitals. This Federation is responsible for the development of Post-graduate medical education. There are a number of under-graduate medical Schools.

The Scottish Post-graduate Medical Association is responsible for the development of Post-graduate medical education in Scotland. Details from the Secretary of the Association, C/o the University of St. Andrews, Queen's College, Dundee.

Anaesthetics—Anaesthetics is included in the first degree courses in medicine and surgery.

Diploma in Anaesthetics (D.A.) is awarded by the conjoint Board of the Royal College of Physicians, London, and the Royal College of Surgeons, England, after passing the prescribed examination. The Royal College of Surgeons, England, awards Fellowship of the Faculty of Anaesthetists (F.F.A.) by examination and so does the conjoint Board of Ireland (D.A. only). There are primary and Final examinations for F.F.A. and examinations are held twice in a year for both D.A. and F.F.A.

Advanced courses are available at the Universities of Liverpool (1-year), London (Post-graduate Medical School—10 weeks) and Sheffield (6 months part-time for F.F.A.). The Faculty of Anaesthetists of the Royal College of Surgeons, England, arranges courses of training with clinical instruction in hospitals.

Anatomy—The first degree in Medical and Surgery has Anatomy included in the course. Research facilities in Anatomy (Physiology of Reproduction particularly) are available at the University of Birmingham and other Universities offering the first degree in medicine. Aberdeen awards M.Sc. in certain branches of Anatomy.

Advanced courses in basic medical sciences including Anatomy suitable for preparation for Primary F.R.C.S., and Primary F.F.A. are offered by the University of London. Institute of Basic Medical Sciences (Royal College of Surgeons, England—18 weeks), the Edinburgh Post-graduate Board for Medicine—3 months, and the University of Sheffield—8 months (Part-time).

Bacteriology—Academic Post-graduate diploma in Bacteriology is awarded by the University of London (School of Hygiene and Tropical Medicine) and Manchester. Glasgow awards B.Sc. Tech. in Applied Bacteriology and Aberdeen M.Sc. in certain branches of Bacteriology.

Cancer Research—Cancer research facilities are available in almost all Universities having medical faculties. London (University College Hospital Medical School and Institute of Cancer Research (Royal Marsden Hospital, Fulham Road, London, S.W.3). This Institute deals with all aspects of research into causation and treatment of cancer, training of research workers and advanced teaching in Biophysics and Radio-Therapy, Glasgow (The Royal Beatson Memorial Hospital).

Cardiology—Facilities for research in Cardiology are offered by all universities with medical faculties. The London University Institute of Cardiology, 35, Wimpole Street, London, W.1, provides full-time courses for Physicians in training as cardiologists and part-time courses for general physicians. St. George's Hospital Medical School, Hyde Park Corner, London, S.W.1., and London University College Hospital Medical Schools also have research facilities.

Chest Diseases—(See *Tuberculosis*)

Research facilities in chest diseases are available at the universities offering first degree in medicine and surgery. The London University Institute of Diseases of the Chest (Brompton Hospital, London, S.W.3) has facilities for the full-time and part-time (10 weeks) courses in chest diseases and training in Thoracic surgery. University College Hospital Medical School (London) also provides research facilities. The university of Wales (Wales National School of Medicine) has a post-graduate Diploma (6 months) in Tuberculosis and Chest Diseases (T.D.D.).

Child Health (Paediatrics)—Post-graduate courses and research facilities are available at most of the Universities offering first degree in medicine and surgery. Birmingham (Institute of Child Health—6 or 12 months courses), London (University College Hospital Medical School and Institute of Child Health (Hospital for sick children), Great Ormond Street, London, W.C.1., provides 10 week courses in all aspects of Paediatrics), Sheffield (3-months courses—full-time or part-time), Exeter (10 weeks courses in medical practice including Paediatrics). Courses in children diseases are also available at the Fellowship of Post-graduate Medicine. Post-graduate Diploma in child health (D.C.H.) is awarded by the conjoint Board of (a) The Royal College of Physicians of London and Royal College of Surgeons of England, (b) The Royal College of Physicians and Royal College of Surgeons of Glasgow and (c) The Royal College of Physicians and Royal College of Surgeons of Ireland.

Dermatology—Dermatology is included in the first degree medicine and surgery and research facilities are offered by the Universities of Cambridge, Leeds, Liverpool, London (St. George's Hospital Medical School and Institute of Dermatology (St. John's Hospital for Diseases of the Skin, Leicester Sq., London, W.C.2), Manchester, Sheffield, Wales, Edinburgh, Glasgow, etc.

Forensic Medicine—Forensic Medicine or Medical Jurisprudence is included in the courses for the first degree in Medicine and surgery.

Research facilities are available at Liverpool, London (St. George's Hospital Medical School) and Belfast Universities.

The Society of Apothecaries, London, offers a Diploma course in Medical Jurisprudence.

Industrial Health (Medical)—Social and Industrial Medicine are included in the medical degree course.

Research facilities are available at the Universities of London (School of Hygiene and Tropical Medicine, London, has a one-year Diploma course in occupational Hygiene), Manchester, Oxford (Social Medical Unit), Wales (Welsh National School of Medicine), St. Andrews (One-year Diploma course in Industrial Health), Belfast (Social and Preventive Medicine).

Post-graduate Diploma in Industrial Hygiene (D.I.H.) is awarded by the Royal College of Physicians of England, The Royal College of Physicians (Glasgow), and the Society of Apothecaries, London, E.C.4.

Courses for D.I.H. examinations are also arranged by the Royal Institute of Public Health and Hygiene, 28 Portland Place, London, W.1., D.I.H. examination is held twice yearly.

Laryngology and otology—Courses in Laryngology and Otology (Medicine, surgery and pathology of ear, nose, pharynx, Larynx, trachea, bronchi and oesophagus) are included in the medical degree course.

Research facilities are offered by Universities of Cambridge, Liverpool (M.Ch.Otol.), London (Institute of Laryngology and Otology, London, W.C.2), Manchester, Newcastle Upon Tyne, Oxford, Wales and Glasgow.

M.Ch.Otol. (Master's degree) of Liverpool is a two-year part-time course for holders of D.L.O.

Post-graduate Diploma in Laryngology and Otology (D.L.O.) is conferred by the conjoint Board of the Royal College of Physicians of London and the Royal College of surgeons of England.

Fellowship (F.R.C.S.) is awarded, by examination, by the Royal College of Surgeons of England, the Royal College of Surgeons of Edinburgh and the Royal College of Surgeons of Glasgow in Otolaryngology.

Institute of Laryngology and Otology (Royal National Throat, Nose and Ear Hospital, Gray's In Boad, London, W.C.1) offers clinical instruction throughout the year and shorter clinical courses and basic science courses (3 months).

Neurology—Neurology (Nervous system) is included in the courses for the first degree in Medicine and surgery. Research facilities are available at Universities of Birmingham, Cambridge, Leeds, London, Manchester, Wales, Edinburgh, Glasgow, St. Andrews, Belfast, etc.

Institute of Neurology (London University), National Hospital for Nervous Diseases, Queen Sq., London, W.C.1., provides course (post-graduate) in clinical neurology, anatomy, physiology and pathology of the nervous system (neurosurgery, neuroradiology and electroence phalography).

Obstetrics and Gynaecology—Courses for the first degree in Medicine include Obstetrics and Gynaecology. Belfast confers B.A.O. along with M.B., B.Ch. (first degree medicine) and master's degree M.A.O. only to graduates of medicine of Belfast University.

Facilities for research are available at almost all the Universities offering first degree medicine.

London (University College Hospital Medical School and Institute of Obstetrics and Gynaecology, London-Chelsea Hospital for women, London, S.W.3, Queen Charlotte's Maternity Hospital and Hemmersmith Hospital). Advanced courses (3 months) and revision course (2-weeks) are arranged in association with these departments or hospitals.

Sheffield offers 3 months (part-time) course for M.R.C.O.G.

Diploma in Obstetrics (D.Obst., R.C.O.G.) is awarded by the Royal College of Obstetricians and Gynaecologists, by examinations but this is not a specialist qualification. The Republic of Ireland, Dublin (Rotunda Hospital, or Coobe Hospital or National Maternity Hospital) awards Licentiate of Midwifery L.M.



(six months course) to medical practitioners—3 months for recognised medical degree holders.

Membership (M.R.C.O.G.) is awarded, by examination and on satisfying regulations, to recognised medical Graduates by the Royal College of Obstetricians and Gynaecologists, Sussex Place, Regents Park, London, N.W.1., and Fellowship (F.R.C.S.) in Obstetrics and Gynaecology is conferred by the Royal College of Surgeons of Edinburgh and the Royal College of Surgeons of Glasgow. The society of Apothecaries of London awards Master of Midwifery (M.M.S.A.), by examination, in obstetrics, Paediatrics and public health.

Ophthalmology—Ophthalmology is included in the first degree medicine.

Research facilities are available at the Universities of Cambridge, Liverpool, London (Institute of Ophthalmology, Judd Street, London, W.C.1), Manchester, Oxford, Glasgow, etc.

Institute of ophthalmology, London, runs clinical teaching courses (4-months) and other shorter advanced courses.

Post-graduate Diploma in ophthalmology (D.O.) is awarded by the conjoint Board of the Royal College of Physicians of London and the Royal College of Surgeons of England.

Fellowship (F.R.C.S.) is conferred, by examination, by the Royal College of Surgeons of Edinburgh and the Royal College of Surgeons of Glasgow.

The Royal College of Surgeons of Ireland awards (D.O.). Details from the Secretary, conjoint Board in Ireland, St. Stephen's Green, Dublin.

Orthopaedics—First degree medicine has orthopaedics included in the course.

Research facilities are included in the Universities of Cambridge, London (Institute of Orthopaedics—Royal National Orthopaedics Hospital, Great Portland Street, London, W.1.), Manchester, Oxford, Newcastle Upon Tyne, Sheffield, Wales, Edinburgh, and Glasgow. University of Exeter (Post-graduate Medical Institute) offers (10 week) course in orthopaedics, and Liverpool confers one year post-graduate M.Ch.Orth.

Pathology—Pathology is included in the first degree medical course, B.Sc. Hons (Pathology) is awarded by the Universities of Edinburgh, Glasgow, St. Andrews and Belfast.

London University offers post-graduate Diploma in clinical pathology.

Research facilities are available in Universities of Birmingham, Cambridge, Leeds, Liverpool, London (St. George's Hospital Medical School, University College Hospital Medical Schools and Institute of Basic Medical Sciences), Manchester, Newcastle, Oxford, Sheffield, Wales, Aberdeen, Glasgow, St. Andrews, Belfast. London University Institute of Basic Sciences (Royal College of Surgeons of England, London, W.C.2.) offers 18 weeks course in the basic medical sciences including pathology, Edinburgh post-graduate Board for Medicine—3 months, Sheffield University—8 months (part-time) and University of Exeter Post-graduate Medical Institute—10 weeks. These courses are suitable for primary (F.R.C.S., F.A.A., and F.D.S.).

The conjoint Board of the Royal College of Physicians of London and Royal College surgeons of England confers, by examination, a Diploma in Pathology (D.Path.).

The College of Pathologists, 2, Queen Anne Street, London, W.1., awards Diploma of membership (M.C.Path.) upon examination—primary and Final.

Pharmacology (See *Pharmacology*)—First degree medicine has pharmacology included in the course.

Research facilities are available at the Universities of Birmingham, Bristol, Cambridge, Leeds, Liverpool, London (University College Hospital Medical School and Institute of Basic Medical Sciences), Manchester, Newcastle, Oxford, Sheffield, Wales, Aberdeen, Edinburgh, Glasgow, St. Andrews, and Belfast.

University of Edinburgh offers a one-year post-graduate Diploma in Chemical Pharmacology.

Physical Medicine—The conjoint Board of the Royal College of Physicians of London and the Royal College of surgeons of England grants, by examination, Post-graduate Diploma in Physical Medicine (D.Phy.Med.).

Guy's Hospital Medical School, London, S.E.1., arranges 6 months course in Physical medicine and so does the British Association of Physical Medicine.

Physiology (See *Physiology*)—Physiology is included in Medicine (first degree).

Courses in Physiology (Post-graduate level) are arranged by London University (Institute of Basic Medical Sciences (Royal College of Surgeons of England)—18 weeks, Edinburgh Post-graduate Board for Medicine—3 months and Sheffield University—8 months (part-time). These courses are suitable for primary (F.R.C.S., F.F.A., and F.D.S.).

Psychological Medicine (Psychiatry)—The course for first degree medicine has psychological Medicine included in it.

Post-graduate Diploma (2 years) in clinical Psychology is granted by the Universities of Edinburgh, Newcastle and Glasgow.

Post-graduate Diploma in Psychological Medicine (D.P.M.) is conferred by the Universities of Leeds, London, Manchester, Newcastle (2 years—part-time), and Edinburgh, D.P.M. is awarded by the conjoint Board of the Royal College of Physicians of London and Royal College of Surgeons of England, The Royal College of Physicians of Edinburgh and Royal College of Surgeons of Edinburgh, The Royal College of Physicians of Glasgow and Royal College of Surgeons of Glasgow, The Royal College of Physicians of Ireland and The Royal College of Surgeons of Ireland.

Post-graduate courses in psychological medicine are available at Birmingham—6 months (part-time), London (St. George's Hospital Medical school and Institute of psychiatry). Institute of psychiatry (Maudsey Hospital), London, S.E.5. offers—6 months course in child psychiatry.

Public Health—Universities offering first degree in medicine have public health included in the courses. Glasgow awards B.Sc. (Public Health) and it is for graduates in medicine, and Newcastle Upon Tyne, a degree of D.Hy. Post-graduate diploma in public Health (D.P.H.) is awarded by Universities of Bristol, Leeds, Liverpool, London, Manchester, Newcastle Upon Tyne, Sheffield, Wales, Aberdeen, Edinburgh, Glasgow, St. Andrews and Belfast.

Diploma in Public Health is usually one-year course. Manchester—part-time (2 years), Newcastle Upon Tyne—Part-time (15 months). London (School of Hygiene and Tropical Medicine) offers post-graduate Diploma in Tropical Public Health—9 months, and also 15 weeks course in Environmental control for Health Inspectors.

Institute of Education (London University) in conjunction with the London School of Hygiene and Tropical Medicine and the central council of Health

Education awards one-year Diploma course in Health Education. This course is open for qualified medical and non-medical students.

Diploma in Public Health, by examination, twice a year is conferred by the conjoint Board of the Royal College of Physicians of London and Royal College of Surgeons of England, the Royal College of Physicians of Edinburgh and Royal College of Physicians of Glasgow and Royal College of Surgeons of Glasgow and The Royal College of Physicians of Ireland and Royal College of Surgeons of Ireland.

The Royal Institute of Public Health and Hygiene, 28 Portland Place, London, W.1., arranges courses.

Radiology (Radiotherapy and Radiodiagnosis)—Medical radiology is included in the first degree Medicine. Post-graduate Diploma in Radiodiagnosis (D.M.R.D.), and post-graduate Diploma in Radiotherapy (D.M.R.T.), each of two years duration, are offered by the Universities of Liverpool and Edinburgh. Liverpool confers M.Rad. (in Radiodiagnosis or in Radiotherapy) only to holders of D.M.R.D. or D.M.R.T.

D.M.R.D. is awarded by Universities of Birmingham, Bristol, Manchester, Sheffield (2 years part-time), London (in co-operation with London University Medical Schools, British Post-graduate Medical Federation and the Faculty of Radiologists), and Glasgow, and by the conjoint Board of the Royal College of Physicians of London and Royal College of Surgeons of England.

The conjoint Board of the Royal College of Physicians of London and Royal College of Surgeons of England also confers D.M.R.T.

The Faculty of Radiologists, Lincoln's Inn Fields, London, W.C.2., offers Fellowship (F.F.R.).

Tropical Medicine and Hygiene—In the first degree in Medicine, tropical medicine and hygiene is included.

Post-graduate Diploma in Tropical Medicine and Hygiene (D.T.M. & H.) is awarded by Universities of Liverpool (3 months), Edinburgh (6 months), London (5 months—the school of Hygiene and Tropical Medicine—it also offers post-graduate Diploma in Clinical Medicine of the Tropics and Tropical Public Health), and by the conjoint Board of the Royal College of Physicians of London and Royal College of Surgeons of England.

Tuberculosis (Chest diseases (Medicine))—Post-graduate Diploma (6 months) in Tuberculosis and chest diseases (T.D.D.) is awarded by Wales (Welsh National School of Medicine), and London has 11 weeks course at Institute of Diseases of the chest and University College Hospital Medical School.

Urology—Urology is included in the first degree in medicine. Research facilities are available at the Universities of Cambridge, Leeds, Manchester, Oxford, New Castle Upon Tyne, Wales, Edinburgh, Glasgow, Belfast and London (University College Hospital Medical School and Institute of Urology, Henrietta Street, London, W.C.2.).

Venereology—It is included in the first degree Medicine. Liverpool offers a 3-month course for V.D. officer's certificate and London (Middlesex Hospital Medical School) provides Post-graduate courses and research facilities.



METALLURGY

(including Chemistry)

Courses in Metallurgy including Metallurgical Chemistry, and Physical and Industrial Metallurgy at first degree level are provided by Universities of Birmingham, Cambridge (Natural Science Tripos), London (Sir John Cass College, Imperial Colleges), Loughborough, Surrey, Manchester, New Castle, Nottingham, Sheffield, Wales (Cardiff, Swansea), Edinburgh, Heriot-watt-College (Edinburgh), Glasgow, Strathclyde, etc.

Post-graduate Degree, Diploma and research facilities are offered by Aston, Birmingham, Leeds, London (Imperial College), Surrey, Manchester, Nottingham, Sheffield, Wales and Strathclyde.

Many technical Colleges offer three-year part-time (Sandwich) course leading to either college diploma or H.N.D. or for the Associateship (A.I.M.) of the Institution of Metallurgists, 4 Grosvenor Gardens, London, S.W.1.

The main such colleges are Birmingham college of Advanced Technology, Bradford Institute of Technology, Lanchester College of Technology (Coventry), Battersea College of Technology (London), Manchester College of Technology, Sheffield College of Technology, etc.

MINERALOGY (*See GEOLOGY*)

Mineralogy or Geology as a subject at first degree (Science) is available at most Universities. Birmingham offers courses in Minerals Engineering, Sheffield offers B.Sc. Tech. in Refractories and Ceramics Technology, Leeds has B.Sc. in Applied Mineral Sciences and Cambridge—B.A. (Natural Sciences Tripos) in Mineralogy and Petrology. Facilities for post-graduate study and research are available at London (Imperial College, King's College), Leeds (Mineral Processes and Applied Geophysics), Aberdeen, Birmingham, Manchester, Durham, Newcastle Upon Tyne, Southampton, etc.

MICROBIOLOGY

Microbiology as a subject in the first degree science is available at Universities of Birmingham, Bristol, Leeds, Liverpool, Nottingham, Wales (University College, Cardiff), London (University College, Queen Elizabeth), Belfast, Strathclyde, Edinburgh (Heriot-Watt College), etc.

Post-graduate degree or diploma and research facilities are offered by London (Imperial College, Birk, King's Queen Elizabeth, University College), Bristol, Leeds, Manchester, Edinburgh, Glasgow, Strathclyde, Wales, Newcastle Upon Tyne, Oxford, School of Hygiene and Tropical Medicine (Gower Street, London, W.C.1), National Institute for Medical Research (The Ridgeway, Mill Hill, London), Lister Institute of Preventive Medicine (Chelsea Bridge Road, London, S.W.1), and Rothamsted Experimental Station. National University of Ireland (University College, Dub-Industrial Microbiology).



MINING (*including* MINING ENGINEERING)

(*See* FUEL TECHNOLOGY)

First degree science course in Mining is available at Universities of Birmingham (Mineral Engineering—Coal or Gas), Leeds (coal, metal, oil), London (Imperial College—Mining Technology, Mining Geology), Newcastle Upon Tyne, Nottingham, Sheffield (Mining, Fuel Technology), Wales (Card. University College), Edinburgh (Heriot-Watt College), Glasgow and Strathclyde.

Post-graduate study and research facilities are offered by Birmingham, Leeds, London (Imperial College), Newcastle Upon Tyne, Sheffield, Strathclyde and Edinburgh.

Many technical colleges run courses leading to National Diploma in Mining (N.D.M.)—one-year full time or three-year (Sandwich).

Barnsley College of Technology (Yorkshire), Doncaster Technical College (Yorkshire), Heriot-Watt College (Edinburgh), Sunderland Technical College (Durham), Wigan and District Mining and Technical College (Lancashire), etc.

Students qualified in Mining with Mining legislation may further qualify for the first class certificate of competency issued by the Mining Qualifications Board.

MONTESSORI METHOD OF EDUCATION

Non-University courses leading to the award of Diploma of Montessori International Association are run by Maria Montessori Training Organisation, Park Crescent, London, W.1., The Montessori Training College, Cranleigh, Surrey, and St. Nicholas' Training Centre for the Montessori, Dawson Place, London, W.2., which has no connection with the International Montessori Association, runs three courses in the evening—(a) Nursery, (b) Infants and (c) Junior.

MUSEUM STUDIES

Leicester, London, Manchester and Edinburgh offer post-graduate diploma courses.

Manchester Museum has research facilities.

MUSIC

Music first degree (B.Mus.) which is of three-year duration is awarded by the Universities of Birmingham, Bristol, Cambridge, Durham, Leeds, London, Manchester, Nottingham, Dublin, and the National University of Ireland.

Music can be offered as a subject for the general, special or honours first degree at all Universities except East Anglia, Essex, Keele, Lancaster, Oxford and Sussex.

M.Mus., D.Mus. are awarded by all universities which award B.Mus.

There are many schools which run non-university courses in Music and award Associate, or Licentiate and Graduate.

The main are Birmingham School of Music, Cardiff College of Music and Drama, Royal Scottish Academy of Music (Glasgow), Battersea College of



Technology (London), London College of Music, Royal Academy of Music (London), London Opera Centre for Advanced Training and Development, Trinity College of Music (London), Royal Manchester College of Music (Manchester), etc.

NAVIGATION

There is a school of Navigation at the Royal College of Science and Technology (Glasgow)—now got the status of a University called Strathclyde University.

NUTRITION SCIENCE

(See DIETETICS)

First degree science courses in Nutrition and Food Technology are offered by the Universities of Leeds, London (Queen Elizabeth), Nottingham, Reading, Glasgow and Strathclyde.

NURSING

The Nurse is expected to do everything including sanitary for the care of the patient. Nursing is a hard vocation. Students preferably girls should have passed school leaving examination and be able to speak, read and write English properly and have good health.

It is necessary to have a three-year training in the first instance in a Hospital approved by the General Nursing Council. Usually no student nurse is accepted without a personal interview by hospital authorities. Such interview for Indian students wishing to take a nursing training course in the U.K. may be made by the Ministry of Health (Directorate General of Health Services), New Delhi.

Student Nurses receive payments and a deduction is made for board and lodging, uniform and laundry.

Particulars for pre-registration courses may be had from the Nursing Recruitment Service, 6 Cavendish Sq., London, W.1., the Nursing Appointments Office, Ministry of Labour and National Insurance, Farringdon Street, London, E.C.4, or from the Matrons of particular hospitals. Pre-registration courses leading to qualifications—State Registration Nurse (S.R.N.) in (a) General Nursing, (b) Nursing of Sick Children, (c) Mental Nursing and Nursing of Mentally sub-normal.

One-year course after General Nursing training.

(1) Tuberculosis nursing leading to tuberculosis nursing certificate, (2) Orthopaedic nursing certificate, (3) Midwifery leading to qualification as State Certified Midwife (S.C.M.) approved by Central Midwife Board.

Particulars for post-registration courses are available at the Royal College of Nursing and National Council of Nurses of the United Kingdom, Henrietta Place, Candish Sq., London, W.1.

Post-registration courses are (a) Ward Sisters' Certificate (3 months), (b) Health Visitors' Certificate (1 year)—Health Visitors' certificate course is available at the Universities of Bristol, Hull, Leeds, London (Institute of Education), and Southampton, (c) Occupational Health Nursing Certificate (1 year) pro-



ship of the College and awards Diploma in Applied Pharmacology (3 year—full-time).

PHARMACY

First degree science in Pharmacy is available in the Universities of Leeds, Liverpool, Manchester, Glasgow, Bath, Strathclyde, Belfast, Wales, etc.

B.Pharm., M.Pharm., degrees are awarded by Bradford, Nottingham, London (Chelsea College of Science and Technology, School of Pharmacy), and Wales (Cardiff University College, Welsh College of Advanced Technology), Strathclyde awards one-year Diploma (Post-graduate) in Pharmaceutical Chemistry.

Research facilities are available at Aston, London, Leeds, Manchester, Wales, and National University of Ireland.

The Pharmaceutical Society of Great Britain, Bloomsbury Square, London, W.C.1., awards Associateship, by examinations, and courses are available at technical Colleges like Birmingham College of Advanced Technology, Brighton College of Technology, Liverpool College of Technology, Bradford Institute of Technology, Sunderland Technical College, Cardiff (Welsh College of Advanced Technology), Heriot-Watt College (Edinburgh), etc.

PHYSIOLOGY

(See MEDICINE-PHYSIOLOGY)

First degree science in Physiology is awarded by Universities of Birmingham, Bristol, Cambridge, Leeds, Liverpool, London (College :—Bed, King's, Queen Elizabeth, University College, Chelsea College of Science and Technology), Manchester, Newcastle, Nottingham, Wales, Edinburgh, Glasgow, Southampton, Belfast, and National University of Ireland.

Research facilities in Physiology are available at most Universities.

PHILOLOGY

(See LINGUISTICS)

Facilities of the study of comparative Philology at advanced level are available in Universities of Cambridge, Leeds, Liverpool, London (University College), Oxford, etc., Newcastle Upon Tyne offers M.Phil.

PHILOSOPHY

All Universities in Britain except East Anglia, and Lancaster and Dublin and the National University of Ireland offer courses in Philosophy at first degree, post-graduate and doctorate levels.

London (Colleges :—Bed, Birk, King's and Univ. Coll.).

PHYSICAL EDUCATION

Physical Education as one of the subjects for the first degree in arts is available at Birmingham University.



Physical Education is included as one of the subjects in the Diploma in Education offered by the Universities of Bristol, Leeds, Leicester, Liverpool, Manchester, Newcastle Upon Tyne, Sheffield and Southampton.

Departments of Physical Education are available at the Universities of Aberdeen, Edinburgh, St. Andrews and Belfast. Leeds (Institute of Education) awards one-year full-time Diploma in Physical Education and this course is open to qualified teachers of Physical education with sufficient experience.

PHYSICS

Courses in Physics with related branches at first degree level (Honours or special) are available in most Universities except East Anglia, Lancaster and York. Universities of the Republic of Ireland offer courses in Physics.

Post-graduate studies and facilities for research are offered by most of the Universities granting first degree.

Birmingham awards M.Sc. in Physics of Solids and post-graduate Diploma in Mathematical Physics. Bristol offers post-graduate course in Medical Physics. Exeter awards M.Sc. in Physics of Earth's Environment. London (Bed. Coll.) grants post-graduate Diploma in Nuclear Physics. London (Imp. Coll.) offers D.I.C. or M.Sc. in General Physics, Theoretical Physics, Photo-electronics, and London (University College) awards Diploma (post-graduate) in Space Science. Newcastle Upon Tyne awards M.Sc. in Solid State Physics, Geophysics, Planetary Physics. Southampton grants M.Sc. in Gas Physics and in high temperature gas dynamics. Wales (Aber.) offers courses in Electronic Physics and in Molecular Physics (Bangor) and in Mathematical Physics (Swansea). Strathclyde offers post-graduate Diploma (one-year) in Health Physics. University of Surrey (Batt. Coll. of Tech., London) offers M.Sc. or post-graduate Diploma in Microwave Physics, Radiological Physics and Spectroscopy.

Institutions like LondonWest Ham College of Technology, Woolwich Polytechnics, Sir John Cass College, Northern Polytechnics, South-east Essex Tech. College, South-west Tech. College prepare students for internal or external, as the case may be, degree examinations of London University.

There are many technical colleges which offer courses leading to College Associateship or H.N.D. in Applied Physics including Graduate Membership of the Institute of Physics, 47, Belgrave Sq., London, S.W.1.

PHYSIOTHERAPY

Non-University courses (usually 3 years) in recognised physiotherapy training schools (attached to hospitals) are available in Aberdeen, Birmingham, Belfast, Bristol, Edinburgh, Glasgow, Leeds, London, Liverpool, Manchester, Sheffield, etc., for the Membership Examination (M.C.S.P.) of the Chartered Society of Physiotherapy, Tavistock Sq., London, W.C.1. Courses in Hydrotherapy are also available.

PLASTICS (*including RUBBER TECH.*)

Borough Polytechnic, Borough Road, London, S.E.1., runs a non-university course leading to Diploma (2 years) and Associateship (one-year) of the Plastics



Institute, 6 Mandeville Place, London, W.1. National College of Rubber Technology, Holloway Road, London, N.7, provides three-year course in Plastics Technology (one-year for Graduates) for Associateship of the Plastics Institute.

National College of Rubber Technology has one-year course in rubber technology for Licentiate Examination of the Institution of the Rubber Technology, 4 Kensington Place Gardens, London, W.8. Its four-year courses prepare students for the Associateship of the Institution of the Rubber Technology and Associateship of the College (Institution of the Rubber Technology).

POLITICAL SCIENCE

(See PUBLIC ADMINISTRATION)

Courses in Political Science are included in the first degree (B.A. or B.Sc.) in all Universities except Lancaster. Facilities for post-graduate studies and research are available in most universities offering first degree in Political Science. Political Science is also included in the courses of Social Sciences (Diploma or Degree) or B.A. (Administration).

London (L.S.E.) has B.Sc. (Econ.), M.Sc. (Econ.), Ph.D. Oxford offers B.Phil., D.Phil., Glasgow—M.A. (Politics), Manchester awards, B.A. (Politics), B.A. (Admin.), M.A. (Politics), Ph.D., St. Andrews grants M.A. or B.Litt. in Political Science, etc. University of Dublin offers courses in Political Science.

POULTRY

Courses in Poultry Husbandry are available in the first degree science in Agriculture at the Universities of London (Wye College), Reading and Belfast. London, awards M.Sc., and Reading M.Agr.Sc. in Poultry Science.

National diploma courses in Poultry Husbandry (2 years) are run by North of Scotland College of Agriculture (Aberdeen), West of Scotland Agricultural College (Glasgow), Institute of Agriculture (Hutton), Harper Adams Agricultural College (Newport, Shropshire), etc.

PRINTING

Non-University courses in Printing Technology are available at London College of Printing, Elephant and Castle, London, S.E.1, which offers a two years course (Diploma) in Printing Administration and a three years course in Graphic Reproduction (all processes), Manchester College of Science and Technology runs a three years certificate course in Printing or Associateship of the College, Oxford College of Printing has three years course (Diploma) in Book and Magazine Publishing, Wat-ford College of Technology awards Diploma in General Printing (2 years) and three years Diploma course in Graphic Design, and Printing courses (3 years) are also run by Leeds College of Technology and Glasgow College of Printing. Twickenham College of Technology, London, holds a specialist course in Lithographic Processes (2 years).



PSYCHOLOGY

Courses in Psychology at honours or special degree level are available at all Universities in Great Britain except Essex, East Anglia, Kent, Lancaster, Sussex, Southampton and York. Psychology courses are also available at Dublin and the National University of Ireland. Cambridge awards B.A. (Natural Sciences Tripos) in general experimental Psychology.

Facilities for post-graduate study and research are available at all Universities granting first degree except Exeter, Hull, Newcastle, Nottingham, Sheffield, Wales, Strathclyde, St. Andrews and Belfast.

Social Psychology (including general) and Industrial Psychology are included in Social Sciences (Diploma or degree) courses, and educational Psychology in B.Ed., M.A. (Education) and Diploma in Education. Birmingham awards Diploma (one year) in Psychology of Childhood and post-graduate Diploma (one year) in Educational Psychology, Liverpool—a diploma (one year) in Applied Psychology, London (Colleges—Bed, Birk, Univ. Coll.) grants an Academic Post-graduate Diploma (one year), Manchester—a Diploma (one year) in Educational Psychology (child Guidance), and Glasgow offers a post-graduate Diploma in Educational Psychology.

PSYCHOLOGY (INDUSTRIAL)

Courses in Industrial (Occupational) Psychology at Master's degree level are available at the University of London (Birkbeck College)—two years course.

Academic post-graduate Diploma (one year) in Psychology (Occupational) is awarded by London (Birk) and Liverpool University offers Diploma in Applied (including industrial Psychology).

Research facilities are available at Cambridge and London (Birk, Univ. Coll., L.S.E.).

National Institute of Industrial Psychology, London, awards its Membership.

PUBLIC ADMINISTRATION (*including* FINANCE)

Public Administration including finance is included in first degree Commerce, Arts and Social Sciences courses. Diplomas (1 to 2 years) are awarded by Birmingham, Liverpool, London (L.S.E.), Southampton, Exeter, Oxford, Glasgow, Edinburgh, Dublin and Nat. University of Ireland.

Administrative Staff College (Henley-on-Thames) runs 12 weeks (2 times a year) residential courses in the principles and techniques of organisation and administration in Civil Life.

Birmingham College of Commerce awards a Diploma in Municipal Administration (Local Government).

RADIO ACTIVITY (*including* RADIOLOGY)

(*See* PHYSICS)

University of Birmingham offers course in Radioactivity and Radiobiology leading to M.Sc. or Ph.D.



Aberdeen runs M.Sc. course (one year) in Radiation Physics (Medical Physics Department).

London awards M.Sc. (2 years) in Radiation Physics and Radiation Biology and courses are available at Guy's, Middlesex, Royal Free, St. Bartholomew's and St. Mary's Hospital Medical Schools, and London (Bed. Coll.), post-graduate Diploma (one year) in Beta and Gamma Ray Spectroscopy.

There are research facilities at Cambridge, London (Queen Mary's College), Manchester and Wales.

RADIOGRAPHY

Non-University courses in Radiography and Radiotherapy are offered by the Society of Radiographers, 32, Welbeck Street, London, W.1. The Society awards M.S.R.R. (Radiography) and M.S.R.T. (Radiotherapy) by examination. Two years courses (Training) are available at many hospitals. Details from the Secretary of the Society.

SOCIOLOGY

(See ANTHROPOLOGY AND SOCIAL SCIENCES)

First degree honours or ordinary or special in Sociology is included in the first degree (Arts or Science or Social Sciences or Post-graduate Diploma in Social Sciences) and courses at the Post-graduate level are available at the Universities of Aberdeen, Surrey, Aston, Durham, Leicester, Essex, Hull, Leeds, London (Bedf, L.S.E.), Manchester, Nottingham, Reading, Sussex, York, National University of Ireland, etc. These Universities have research facilities, Oxford offers B.Phil. in Sociology. It is a Post-graduate course (2 years).

SOCIAL SCIENCES

(See BUSINESS MANAGEMENT)

Academic post-graduate Diploma (two years, one year in exceptional cases for good graduates) is awarded by all Universities except Aberdeen, Kent and Lancaster, in Social Sciences studies or Administration. Dublin and National University of Ireland award Diploma in Social Sciences. So long academic post-graduate diploma in Social Sciences was the highest qualification in this professional field in Britain but from now onwards Universities like Birmingham Southampton, Bristol, etc., award B.Soc.Sc., M.Soc.Sc., Duhham—B.A. (Social Studies), East Anglia—B.A. (Social Studies), Hull—B.A. (Social studies), Leicester—B.A. (Social Sciences), Liverpool—B.A. (Social Sciences), B.Com. (Social Sciences included), Manchester—B.A. (Admin.)—Social Sciences included, Newcastle—B.A. (Social Studies), Southampton—B.Sc. and M.Sc. (Social Sciences) and St. Andrews—M.A. (Social Sciences).

Specialisation in Social Administration may be made in addition to the study of Social Science (general) such as Probation, Labour Welfare, Personnel



Management (Industrial Relations), Medical Social work, etc. Social Sciences courses include practical work, case studies, thesis, etc., and examinations.

The Institute of Almoners, London, confers its Associateship (A.I.A.) by examination, to those who specialise in Medical social work. The Institute of Personnel Management, 8 Hill Street, London, W.1., awards its Membership/Associateship who specializes in Personnel Management (Labour Welfare and Industrial Relations). This course is for practising Personnel Managers and Labour and Welfare officers. Courses are included in the broader social sciences (Academic post-graduate Diploma) and are available at London (L.S.E.), Liverpool—Industrial Sociology, Wales (University College, Cardiff), Glasgow (in conjunction with the R.C. of Science and Technology (now Strathclyde University) and Scottish College of Commerce, Pitt Street, Glasgow, C.2), and Manchester (College of Science and Technology).

Diploma in Personnel Management is granted by London, Wales, Manchester, Glasgow (Diploma in Industrial Administration) and Liverpool (Diploma in Industrial Psychology) in conjunction with the Institute of Personnel Management, London.

Ph.D., M.Soc.Sc. and Diploma courses are available in National Economic Planning at Birmingham University (Commerce and Social Science Faculty).

Ph.D., B.Phil., B.Litt., M.A. (Adm.), and Diploma and Certificate courses are available in Social Sciences at Glasgow University.

Many technical colleges and Polytechnics all over Britain run courses (2 years) leading to National certificate in Social work or College Associateship.

SOIL SCIENCE

(See AGRICULTURE)

Soil Science including soil conservation is included in the first degree in Agriculture at some of the Universities—at Cambridge (Pedology), at London (Wye College)—Plant Nutrition and Biochemistry, Wales (Bang.)—Biochemistry, Aberdeen and Belfast (Soil Microbiology), Edinburgh (Forestry), etc.

Aberdeen offers B.Sc. (Hons.), M.Sc. in Soil Science, and Reading B.Sc. (Hons.) in Soil Science and Newcastle awards M.Sc. (Soil Science). Post-graduate Diploma (one-year) is awarded by Cambridge (Pedology), Leeds and Oxford (Soil Science), London (Soil conservation), etc. Research facilities are offered by Birmingham, Leeds, London, Macaulay Institute for Soil Research, the Institute of Archaeology, London and Aberdeen has research facilities in Ecology. National University of Ireland has Soil Science courses.

STATISTICS

(See MATHEMATICS)

Statistics with Honours, special or ordinary level is available at almost all Universities except East Anglia, Keele, Kent, Lancaster and Sussex. National University of Ireland has facilities for Statistics. Statistics is also included in B.Com., B.A. (Admin.) of Manchester, B.Soc.Sc. of Birmingham and Southampton. Statistics is included also in the courses for the Diploma in Social Sciences.

Facilities for Post-graduate studies and research are offered by Aston, Aberdeen, Edinburgh, Essex, Newcastle, Sussex, Birmingham, Leicester (Mathematical Statistics), London (L.S.E., Birk, Imp., Univ. Coll.)—M.Sc., Ph.D., Academic Post-graduate Diploma in Statistics with pure Mathematics—Imperial College awards post-graduate Diploma in Statistics and operational Research, Wales (Aber., Univ. Coll., Swan.) runs M.Sc. course and Diploma (post-graduate) in Mathematical Statistics and computational Analysis.

Some Technical Colleges (The Polytechnic, Regent St., London) run diploma courses in Statistics and courses in preparation for the final examination of the Institute of Statisticians.

TEXTILES

(See COLOUR CHEMICAL)

First degree science/Technology in Textile including textile Physics/chemistry/Engineering, Textile Design, Textile Fabrics, etc., is awarded by universities of Leeds, Bradford, Manchester, Strathclyde and Belfast. Facilities for Post-graduate studies and research are available in these Universities.

Non-University courses in Jute Technology including Linen leading to Diploma (3 years) are offered by Dundee Technical College, Scotland.

Diploma courses in spinning and weaving or Textile manufacture or Textile Art and Design are run by many technical Colleges all over the U.K.

TOWN AND COUNTRY PLANNING

(See ARCHITECTURE)

First degree B.A. (Hons.) in Town and Country Planning including landscape architecture is awarded by Universities of Manchester and Newcastle-Upon-Tyne.

Durham, Liverpool and Welsh run M.A. (Civic Design), and Post-graduate Diploma, London (University College), M.A., and academic Post-graduate Diploma in Town Planning. Post-graduate Diploma course (1 year) is offered by Manchester, Newcastle-Upon-Tyne, Edinburgh (Civic Design) and Strathclyde.

The Royal Institute of British Architects, 66 Portland Place, London, W.1., confers its Associateship or Fellowship, Institution of Municipal Engineers, 84, Eccleston Sq., London, S.W.1., awards certificate in Town Planning.

Town Planning Institute, 18, Ashley Place, London, S.W.1., exempts its final examinations to holders of degree or Diploma in Town Planning.

TRANSPORT

Transport is included in the courses for M.Soc.Sc. and M.Sc. of Birmingham University, and B.Sc. (Econ.)—Commerce Group of London University. London (Imp. Coll.) offers M.Sc. or D.I.C. (1 year) in Transport. Oxford offers facilities for research in organisation of Transport.



A few technical Colleges run courses in preparation for the Associateship examination of the Institute of Transport, 80, Portland Place, London, W.1.

VETERINARY SCIENCES

First degree in Veterinary Science (B.V.Sc.) or Veterinary Medicine (Vet. M.B. or B.V.M.S.) is awarded by Universities of Bristol, Cambridge, Liverpool, London, Edinburgh, Glasgow, Dublin and National University of Ireland. Belfast has veterinary studies included in the first degree Agriculture. University of Liverpool, London and Glasgow offer Master's degree and Glasgow also Doctorate degree in Veterinary studies. Post-graduate Diploma (1 year) is conferred by Edinburgh (Royal Dick School). Wales (Aber) has research facility in the study of Animal Health.

Post-graduate qualifications like Membership (M.R.C.V.S.) or Fellowship (F.R.C.V.S.) are conferred, upon examination, by the Royal College of Veterinary Surgeons, 32, Belgrade Sq., London, S.W.1.

VOCATIONAL GUIDANCE

(See EDUCATION)

University of Manchester awards a Diploma in Educational Guidance. London University (Institute of Education) in conjunction with the National Institute of Industrial Psychology, London, offers a Diploma in Vocational Guidance. Guidance is included in the courses for Psychology (Educational, Social and Counselling). Reading—Diploma in Education (Vocational Guidance).

ZOOLOGY

(See PARASITOLOGY)

First degree Honours or special or ordinary in Zoology (Biological Science) including animal Physiology or comparative physiology is available at almost all Universities except Essex, Sussex, York, Keele and Lancaster. Dublin and the National University of Ireland have courses in Zoology.

Facilities for post-graduate study and research are available at most Universities offering first degree in Zoology.

London (Birk) offers M.Sc. in Zoology, London (Imperial) M.Sc. or D.I.C. in Applied Entomology (Temperate and Tropical), London School of Hygiene and Tropical Medicine awards Academic post-graduate Diploma in Applied Parasitology and Entomology, and Wales (Bang) holds post-graduate (1 year) course (Diploma) in Embryology and Mammalian Reproduction.

London School of Hygiene and Tropical Medicine also awards Academic post-graduate diploma in Applied Parasitology and Entomology (D.A.P. and E.)—9 months course. London (Imp.) also runs D.I.C. (1 year) course in Nematology.



Cambridge University has facilities for research at Molteno Institute of Biology and Parasitology.

The Polytechnic, Regent St., London, Sir John Cass College, London, South-East Essex College of Technology, London, all provide courses for B.Sc. special degree of the London University.

CANADA



GENERAL INFORMATION

Canada experiences many types and extremes of climate. It has extremely cold weather in winter and very hot weather in summer. In spite of warm days, the nights are usually pleasantly cool in summer. The winters are quite severe and there is heavy snow fall ranging from 60 to over 100 inches.

Canada has parliamentary system of Government. The ten provinces of Canada are united under a Federal Government, which control matters concerning the country as a whole.

Canada is rich in natural resources. Canada has vast mineral resources. Its fishing grounds are extremely productive. It is one of the world's major food-exporting countries. It is the world's second largest exporter of wheat. Forest products are the most important single component in Canada's international trade. To-day almost 70 per cent. of Canada's total production goes into manufacturing and construction. Agriculture is next to manufacturing industry. Canada has a 5-day week.

French-speaking Canadians live for the most part in Quebec. English and French are Canada's official languages. English-speaking population in Canada is from the United Kingdom and United States of America.

Responsibility for education is vested in the provinces, ten of them. Education here is compulsory and free for all children from 6 to 14 or 16 years of age, depending on the province. Most Schools are co-educational.

In Canada 'Higher Education' and 'University Education' are almost synonymous. Practically all types of professional and general training beyond the level of secondary school are the responsibility of the Universities.

There are 46 Universities in Canada excluding theology degree granting institutions, of which the University of Toronto is Canada's largest University. The Nova Scotia Agricultural College offers a 2-year Diploma Course in Agriculture (undergraduate).

English-language Universities in Canada on the whole more closely resemble those of the United Kingdom than the United States.

French-language Canadian Universities are patterned after the French model and resemble neither those of the United Kingdom nor the United States. Most Universities are co-educational. The Universities offer a wide variety of courses and award bachelor's, master's and doctor's degrees. Almost all Universities award first degrees in various faculties with first class, second class or general pass.

The usual academic year runs from the end of September until the middle of May and is divided into two terms by a two-week holidays at Christmas, and a short vacation at Easter. Almost all the Universities offer summer courses for which University credit is granted. Canadian Universities usually enrol students for the academic session in September only with few exceptions.

The first degree (Arts, Science, Commerce, etc.) is normally obtained three or four years after junior or senior school education, depending on the entrance requirements of the Institution. An honours bachelor degree usually requires an additional year of study. The master's degree of the French-language *licence*, is usually obtained one year after an honours degree or two years after a pass or general degree. The doctorate degree is normally gained after a minimum of two years beyond the master's degree. The Universities which



offer the doctorate degree, also generally award master's degree. Many University students continue their post-graduate studies until they are 30 or over.

A bachelor of Arts degree is a prerequisite for admission to the study of Medicine, Law, Theology, Social Sciences, Pharmacy and Dentistry at French-language Universities, and students may enter to other bachelor's degree courses direct from secondary schools of Canada.

Admission of students from outside Canada is arranged between the student and the University concerned, and is based on individual evaluation of previous educational records.

Average cost for a student living away from home for a full Calendar year would be likely to be about \$2,500.

Before a student (from overseas) is accepted at a Canadian University, application is to be made long in advance of the session to be attended. Admission to Canadian Universities as a graduate student will require a master's degree from an Indian University. There are a few opportunities at some Universities to obtain awards for graduate study, including teaching fellowships and assistantships. Universities in Canada seldom have funds available to assist students from other countries to come to Canada for undergraduate study.

Employment for students from other countries is not easily available. Before seeking employment, permission should be obtained from the local immigration office in Canada.

In Canada, instruction in Universities and Colleges is in English or French or in both. Students applying for admission must have a sufficient knowledge of the language of instruction.

Students may have difficulty in obtaining accommodation. Overseas students will do well by seeking accommodation in a University residence or live in rooms of houses away from the campus or in an apartment with one bedroom. Reservations for places must be made well in advance of arrival and requests should be addressed to the Foreign Students' Adviser or the Director of Student services or the Registrar. Accommodation is also available in YMCA or YWCA or in hotels on weekly or monthly basis. Room in YMCA or YWCA is less expensive than in a hotel.

Medical and hospital care in Canada is very expensive. All Canadian Universities have a student health service. Students going to Canada are advised to take out accident and sickness insurance for themselves.

There are a wide range of social and recreational activities in most Universities. Canadian students are not always ready to take the initiative in getting to know students from other countries. Foreign students should not have any reservations about making the first move in getting to know the Canadian students.

The summer vacation is of four months duration usually from May to August for the undergraduate students. Graduate students are normally expected to continue throughout the summer their studies and/or research. Students wishing to do work during the summer months are required to obtain permission from the immigration authorities to accept summer employment. Other students usually take to summer courses at the University.

The means of transportation are Bus, Taxi, Railways and Plane. Bus travel is the least expensive. Special excursion fares for University students are available for travel by Bus, Train and plane during vacations.



As for food, outside the University, there are Restaurants, Coffee Shops, Cafeterias and Lunch Counters where meals can be obtained, Cafeterias are cheaper than Restaurants. Snacks such as sandwiches, ice cream, beverages, etc. are available in Lunch Counters which can be found in drugs or chemists shops and small shops. Restaurants provide a variety of meals. Prices vary and tips of 10 per cent of the bill are expected. Cheap Canteens are available in the University campus.

Certain type of Canadian food like a hamburger which is made of ground beef, not ham, and a hot dog which contains a sausage is made of either beef or pork, may cause you some confusion. You will do well by asking what it contains when you do not know the name of a type of food. Breakfast time is usually from 7 to 8 A.M., lunch is between 12 noon to 2 P.M., and Dinner is from 5-30 to 7 P.M. The evening meal is commonly known as supper.

It is easy to open a bank account and this is the safest way to keep your money. Day to day expenditure can easily be withdrawn from a bank account.

The climate in Canada varies from region to region and generally is one of the extremes. Buildings are heated in cold weather. Students coming to Canada from warmer countries would do well by waiting until their arrival to buy winter clothing. Students can often buy clothing at reduced price in Canada.

Some social customs of Canada should be learned before going there. Much importance is attached to punctuality. All invitations are to be promptly answered and appointments must be kept unless you send word in advance that you cannot keep your appointment. Send a 'thank you' letter or telephone after accepting hospitality to your host or hostess. It is not necessary of taking a gift when visiting a home for the first time. It is customary to invite and to spend the holiday particularly Christmas in a family or with friends. Guests are very often to offer to help dishes in Canadian families and when staying overnight, they are to make their own beds.

If you do not take certain food or drink alcoholic beverages, please do not feel embarrassed to tell this to your hostess.

No formality is observed in regard to relations between the sexes. This freedom should not be misinterpreted. Most Canadians believe in equality between the sexes though from courtesy stand point preference is traditionally given to the women.

A man very often rises when a woman enters a room. When a man and a woman walk together, the man walks on the side nearest the street. A woman goes through a door first, before the man who escorts her.

There are 46 Universities and Institutions of higher learning barring those Universities which award degrees in theology only. The University of Toronto is the largest University in Canada. The addresses of these Institutions are given and they are arranged with their faculties alphabetically as far as possible. They have facilities for undergraduate study and most Universities which offer doctorate degrees also offer master's degrees. Almost all Universities are co-educational. Calenders of Universities are to be consulted for details of tuition fees, syllabus, etc. These are not mentioned here since they are constantly changing. Most Universities have courses in Divinity or Theology.

ACADIA UNIVERSITY

WOLFVILLE, NOVA SCOTIA, CANADA

There are facilities for the first degree studies in some faculties and graduate study (master's degree). The degrees awarded are mentioned.

Faculty of Arts (classics, English language and literature, French, German, History, Italian, Spanish, Philosophy, Economics, Political Science, Sociology, etc.), Faculty of Science (Biology, Chemistry, Geology, Mathematics, Physics, Psychology, etc.), Faculty of Engineering, Commerce, Education, Home Economics, Library Science, Music, Physical Education, Secretarial Science, etc., and Social work in co-operation with the Maritime School of Social work in Halifax.

Degrees (first degree with pass or hons.) awarded are B.A., B.Sc., B.Com., B.Sc. (H.Ec.), B.Mus., B.Ed., M.A., M.Sc., M.Ed., M.Mus., M.S.W., etc.

Post-graduate diplomas are also granted in some subjects like education, secretarial Science, applied science and certificates in women's leadership training, etc.

UNIVERSITY OF ALBERTA

EDMONTON, ALBERTA, CANADA

This University has facilities for the study of first degrees, master's degrees and doctorate degrees in the following faculties.

Faculty of Agriculture including Agricultural Engineering, Animal Science, Dairy Science, Entomology, Genetics, Plant Science, Soil Science, etc.

Faculty of Arts (Classics, Economics, Political Economy, English, Fine Arts, French, German, History, Russian, Philosophy, Sociology, etc.), Faculty of Science including Biochemistry, Botany, Chemistry, Geography, Geology, Mathematics, Physics, Psychology, Zoology, etc., Faculty of Education (Educational Administration, Educational Psychology, Vocational and Industrial Education, etc.), Commerce, and Business Administration, Household Economics, Pharmacy, Law, Nursing and Physical Education.

Faculty of Engineering including Chemical and Petroleum Engineering, Civil Engineering, Electrical and Mechanical Engineering, Mining and Metallurgy, Faculty of Medicine (including Anaesthesia, Anatomy, Bacteriology, Chemical Medicine, Obstetrics, Pathology, Pharmacology, Physiology, Physical and Occupational therapy, Preventive medicine, Psychiatry, Radiology, Surgery and Clinical surgery) and Dentistry (Dental Surgery, Paediatric Dentistry, Preventive and public health dentistry, and Dental hygiene).

First degrees (pass or hons.) awarded are B.A., B.Sc., B.Sc. (H.Ec.), B.Sc. (Pharm.), B.Sc. (Med. Sc.), B.P.E., B.Com., B.Sc. (Agr.), B.Sc. (Engin.), B.Ed., B.Sc. (Nurs.), LL.B., B.D.S., etc., and higher degrees M.A., M.Sc., M.D., Ph.D., Ed.D., etc., and D.Sc., and D.Litt. are also conferred. LL.D. is an honorary degree. Post-graduate Diplomas and certificates are also granted in some subjects.



This University has a branch at Calgary, Alberta and it is expected to be a separate University very soon and will award its own degrees including some higher degrees.

BISHOP'S UNIVERSITY

LENNOXVILLE, QUEBEC, CANADA

The University has facilities for the study of first degrees Arts (Classics, English, French, Russian, History, Philosophy, Political Science)—Science (Biology, Chemistry, Geography, Economics, Mathematics, Physics, Psychology) and Business Administration and Education.

Master's degree courses are available in Education, English and History. Degrees awarded are B.A. (Pass or Hons.), B.A. (Bus. Admn.), B.Sc. (Pass or Hons.), and M.A. and M.Ed. Certificate in education is also granted.

UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER, BRITISH COLUMBIA, CANADA

There are facilities for the study of first degrees, post-graduate degrees and doctorate degrees including diplomas in the following faculties. The degrees granted are also given.

Faculty of Agriculture including Agricultural economics, Agricultural Engineering, Animal Science, Soil Science, Applied Science including Architecture and Nursing. Faculty of Arts including Fine Arts, Anthropology and Sociology, Asian Studies Classics, French, German, Spanish, Russian, Economics and Political Science, English, History, Philosophy, etc.

Faculty of Engineering including Chemical engineering, Civil, Electrical and Mechanical engineering, Mining and Geological engineering, Metallurgy, etc.

Faculty of Science including Botany, Biology, Chemistry, Geography, Geology, Mathematics, Physics, Psychology, Zoology.

Faculty of Medicine including Anatomy, Biochemistry, Bacteriology, Cancer research, Obstetrics and Gynaecology, Paediatrics, Pathology, Pharmacology, Physiology, Psychiatry, Surgery, etc.

Commerce and Business Administration, Education, Dentistry, Home Economics, International Studies, Law, Music, Pharmacy, Poultry Science, Social Work, Industrial Administration, Physical Education, Librarianship, etc.

First degrees awarded are B.A. and B.Sc. pass or hons. or double hons., B.Com., B.P.E., B.Mus., B.A.Sc. (App. Sc.), B.H.E. (Home Sc.), B.S.F. (Forestry), B.Arch., B.S.A., pass or hons., LL.B., B.Ed., B.S.P., B.S.W., B.H.S., and higher degrees are M.A., M.Sc., M.A.Sc., M.S.A., M.F., M.B.A., M.S.W., M.Ed., M.Arch., M.S.P., LL.M., etc., and Ph.D., and post-graduate diplomas in some fields are also granted.

LL.D., D.Sc., and D.Litt. are honorary degrees.



CARLETON UNIVERSITY

OTTAWA, ONTARIO, CANADA

Facilities for the study of undergraduate and graduate courses are available in the following subjects.

Arts (Classics, Economics, English, French, German, History, Philosophy, Political Science and Public Administration, Sociology), Commerce, Engineering, Journalism and Science (Biology, Chemistry, Geography, Geology, Mathematics, Physics and Psychology).

Degrees awarded are B.A. (Pass and Hons.), B.Sc. (Pass and Hons.), B.Com., B.Eng., B.J., M.A., and M.Sc. and Diploma in Public Administration and Public service studies.

DALHOUSIE UNIVERSITY

HALIFAX, NOVA SCOTIA, CANADA

This university has facilities for the study of undergraduate and post-graduate courses in the following subjects :

Arts (Classics, English, Fine Arts, French, German, Hebrew, History, Economics and Sociology, Political Science, Music, Philosophy, Russian, Spanish), Education, Commerce, Dentistry, Science (Biochemistry, Biology, Chemistry, Geology, Mathematics, Physics, Psychology), Engineering, Law, Nursing and Medicine (All fields including Surgery, Radiology, Urology, Psychiatry, etc.), and Oceanography.

Degrees awarded are B.A. (Pass and Hons.), B.Sc. (Pass and Hons.), B.Com., B.Sc. (Eng.), D.D.S., B.Ed., LL.B., B.N., B.N.Sc., M.A., M.Sc., M.D., LL.M., Ph.D., etc.

Diplomas in some subjects like Education, Nursing Administration, Engineering, Pharmacology, etc., are also granted.

UNIVERSITY OF KING'S COLLEGE

HALIFAX, NOVA SCOTIA, CANADA

This University offers first degree courses in the following three faculties : Arts (Classics, English, Economics, History), Science (Mathematics and Psychology) and Journalism. Social work course at Master's degree level is also run in co-operation with the Maritime School of Social Work, Halifax.

Degrees granted are B.A. and M.S.W., Diploma in Journalism is also awarded.

LAVAL UNIVERSITY (UNIVERSITE)

RUE DE L'UNIVERSITE, QUEBEC, CANADA

The medium of instruction here is French.

This University offers courses at undergraduate and post-graduate (including research) level in subjects like Acturial science, Administration (in-



cluding Commerce), Agriculture, Archaeology, Astronomy, Biology, Botany, Chemistry, Economics, Education, Engineering (Chemical, Mechanical), English, Folklore, Forestry, French, Geography, Geology, Greek, History, Household Science, Latin, Mathematics, Metereology, Music, Mining, Metallurgy, Medicine (Surgery and other fields), Nursing, Philosophy, Phonetics, Physics, Social Science, Surveying, Transportation, Law, etc.

McGILL UNIVERSITY

MONTREAL, CANADA

Macdonald College, Canada is a constituent unit of McGill University and it has faculties of Agriculture, House-hold Science and education. Royal Victoria College is a women college of the University.

This University has facilities for the study of undergraduate and post-graduate courses including research work leading to doctorate degree in the following subjects :

Faculty of Arts (Classics, English Language and Literature, Economics and Political Science, Fine Arts, French, German, Russian, History, Islamic studies, Italian, Latin, Spanish, Philosophy, etc.).

Faculty of Agriculture (Agricultural Bacteriology, Chemistry, Economics, Engineering, Physics, Agronomy, Animal Science, Entomology and Plant Pathology, Horticulture, Soil Science, etc.).

Faculty of Science (Anthropology, Sociology, Biochemistry, Botany, Chemistry, Geography, Genetics, Geology, Mathematics, Physics, Physiology, Zoology, etc.).

Faculty of Engineering (Architecture, Chemical Engineering, Civil, Electrical and Mechanical Engineering, Mining and Metallurgy).

Faculty of Medicine (Physical and occupational therapy, Surgery including Neurology and all fields of Medicine and Surgery).

Commerce (Accountancy, Business Administration, etc.). Dentistry, Household Science, Music, Nursing, Physical Education, Law, Library Science, Social Work, etc.

Degrees awarded are B.A. (General and Hons.), B.Sc. (Gen. and Hons.), B.Com., B.Mus., B.Sc. (Agr.), B.Sc. (H.Ec.), B.Ed., B.Ed. (P.Ed.), B.N., B.Eng., D.D.S., B.Sc. (Nursing), B.Arch., B.L.S., M.D.C.M., B.C.L., M.S.W., M.A., M.Sc., M.C.L., M.Eng., LL.M., M.Arch., M.B.A., M.L.S., and Ph.D. D.Sc. D.Litt., D.C.L., D.Mus., LL.D., are honorary degrees.

McMASTER UNIVERSITY

HAMILTON, ONTARIO, CANADA

It has facilities for the study of undergraduate, Postgraduate courses and research leading to doctorate degree in the following subjects :

Arts (Classics, English, Political Economy, Fine Arts, French, German, History, Philosophy, Russian, Hebrew).

Science (Anthropology, Biology, Chemistry, Geography, Geology, Mathematics, Physics, Psychology, Sociology and Zoology).



Engineering (Chemical, Civil, Electrical, Mechanical, Metallurgical and Nuclear Engineering), Commerce, Music, Nuclear Medicine, Nursing Education, Physical Education, etc.

Degrees conferred are B.A. (Ord. and Hons), B.Sc. (Ord. and Hons), B.Com., B.Eng. (Ord and Hons), B.Sc., B.P.E., M.A., M.Sc., M.B.A., M.Eng., and Ph.D.

LL.D., D.Litt., D.Sc., etc., are honorary degrees.

UNIVERSITY OF MANITOBA

WINNIPEG, MANITOBA, CANADA

This University offers undergraduate and post-graduate courses and has research facilities for doctorate degree in the following subjects. Brandon College is affiliated to this University.

Faculty of Arts (Classics, Economics, English, French, Fine Arts, German, History, Political Science (International Relations), Philosophy, Polish, Political Economy, Russian, etc.

Faculty of Agriculture (Agricultural Economics and Farm Management, Agricultural Engineering, Animal Science, Dairy Science, Entomology, Food and Nutrition, Plant Science and Soil Science).

Science Faculty (Anthropology and Sociology, Biochemistry, Botany, Chemistry, Geography, Mathematical Physics, and Astronomy, Actuarial Mathematics and Statistics, Geology and Mineralogy, Psychology, Zoology, etc.).

Faculty of Engineering (Civil, Electrical and Mechanical).

Faculty of Medicine (Surgery and almost all fields of medicine including occupational and physical therapy), Architecture and Interior Design, Commerce and Business Administration, Education, Home Economics, Law, Music, Nursing Education, Physical Education, Pharmacy, Dentistry, and Social Work.

Degrees awarded are B.A. (Gen. and Hons.), B.Sc. (Gen. and Hons.), B.Com. (Gen. and Hons.), B.F.A., B.Sc.Eng., B.H.Ec. (Gen. and Hons.), B.I.D., B.Ed., B.S.A., B.Sc.Pharm., B.N., B.Mus., B.Arch., LL.B., D.M.D., B.S.W., M.A., M.Sc., M.D., M.Arch., LL.M., M.S.W., M.Ed., M.Sc. (Med), Ph.D., etc.

LL.D., D.Sc., D.Litt., are honorary degrees.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

ST. JOHN'S, NEWFOUNDLAND, CANADA

This University has facilities for undergraduate and post-graduate studies in the following subjects:

Arts (Classics, English, Economics, French, History, Philosophy, German, Political Science, Spanish, etc.).

Science (Anthropology and Sociology, Biology, Chemistry, Geography, Geology, Mathematics, Physics, Psychology, etc.), Engineering, Education, Commerce, Forestry, Physical Education, etc.



Degrees awarded are B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), B.A. (Ed.), B.Com., B.P.E., B.Com. (Hons.), M.A., M.Sc., Diploma in forestry, Education, Public Welfare, etc., is also awarded.

LL.D., D.Sc., D.Litt. are honorary degrees.

UNIVERSITE' DE MONCTON
(UNIVERSITY OF MONCTON)

MONCTON, NEW BRUNSWICK, CANADA

The medium of instruction of this University is French. It offers undergraduate and post-graduate courses including research facilities in the following subjects:

Astronomy, Biology, Chemistry, Civil Engineering and Surveying, Commerce, Economics, Education, English, French, Mathematics, Guidance, Geology, Mental Hygiene, Mine Research, Philosophy, Physics, Statistics, etc.

UNIVERSITE' DE MONTRE'AL
(UNIVERSITY OF MONTREAL)

MONTREAL, CANADA

This is a French language University. It offers courses at undergraduate and post-graduate level including facilities for research in the following subjects:

Agriculture, Anthropology, Biology, Botany, Chemistry, Classics, English, Education, Engineering, Commerce, Dentistry, Economics, French, Geography, Geology, German, History, Italian, Industrial relations, Linguistics and Phonetics, Mathematics, Medicine and Surgery, Music, Nursing, Pharmacy, Philosophy, Physics, Physical Education, Physical and occupational Therapy, Polish, Political Science, Library Science, Social Work, Sociology, Veterinary Science, etc.

MOUNT ALLISON UNIVERSITY

SACKVILLE, NEW BRUNSWICK, CANADA

This University has facilities for undergraduate and post-graduate courses in the following subjects:

Arts (Classics, Fine Arts, English, Economics and Political Science, French, German, History, Philosophy, and Spanish).

Science (Biology, Chemistry, Geology, Mathematics, Physics, Psychology and Sociology), Education, Engineering, Commerce, Home Economics, Music, Social Work. Social Work course is run in co-operation with the Maritime School of Social work.

Degrees awarded are B.A. (Pass and Hons.), B.Sc. (Pass and Hons.), B.Com. (Pass and Hons.), B.F.A., B.Sc. (Pass and Hons.) in Home Economics, B.Ed., M.A., M.Sc., M.Ed., M.S.W.

Diploma in Education is also awarded.

D.Litt., D.Sc., LL.D., D.Mus., D.C.L. are honorary degrees.



MOUNT SAINT VINCENT COLLEGE

HALIFAX, NOVA SCOTIA, CANADA

This is the only women's College in Canada empowered to confer degrees. It offers courses at undergraduate and post-graduate level in the following subjects:

Biology, Chemistry, Classics, Economics, Education, English, French, History, Home Economics, Mathematics, Music, Nursing, Education, Philosophy, Physical Education, Secretarial Studies, Sociology, Radiological Technology and Music.

Degrees awarded are B.A., B.Sc., B.Sc. Nursing, B.Mus., B.Sc.R.T., B.Sc.S.S., B.Ed., M.A., M.A., M.Ed.

Diploma in education is also awarded.

UNIVERSITY OF NEW BRUNSWICK

FREDERICTON, NEW BRUNSWICK, CANADA

This University offers courses at undergraduate and post-graduate level and has facilities for research in the following subjects:

Arts (Classics, Economics and Political Science, English, Fine Arts, German, History, Anthropology, Philosophy, etc.), Engineering (Chemical, Electrical, Civil and Mechanical), Science (Biology, Chemistry, Geology, Mathematics, Physics, Psychology and Sociology), Business Administration, Education, Forestry, Law, Nursing, Physical Education, etc.

Degrees awarded are B.A. (Gen. and Hons.), B.Sc. (Gen. and Hons.), B.P.E., B.T.B.N., B.Sc.Engr., B.Ed., B.B.A., M.A., M.Sc., M.Sc.Engr., M.Ed., B.C.L., and Ph.D.

D.C.L., D.Litt., D.Sc., LL.D. are honorary degrees.

NOVA SCOTIA TECHNICAL COLLEGE

HALIFAX, NOVA SCOTIA, CANADA

This Technical College is authorised to grant degrees in Engineering at undergraduate and post-graduate level and research degrees.

The courses available are Architecture and Engineering (Civil, Chemical, Electrical and Mechanical) and Mining and Metallurgical Engineering.

B.E., B.E. (Hons.), B.Arch., M.E., and Ph.D., are the degrees awarded.

D.Engr. is honorary degree.

UNIVERSITÉ D'OTTAWA

(UNIVERSITY OF OTTAWA)

OTTAWA, ONTARIO, CANADA

The language of instruction of this University is both English and French. It offers courses at undergraduate and post-graduate level and has facilities



for research in the following subjects. It has constituent and affiliated colleges.
 Arts (Arabian, Classics, Economics, English, French, German, Greek, History, Philosophy, Polish, Public Administration, Political Science, Spanish).
 Science (Biochemistry, Biology, Botany, Chemistry, Geography, Geology, Mathematics, Psychology).

Engineering (Chemical, Civil, Electrical, Mining and Metallurgy), Commerce, Business Administration, Law, Music, Nursing, Physical Education, Household Science, Social Work, and Medicine and Surgery (Almost all fields).

Degrees awarded are B.A. (Gen. and Hons.), B.Sc. (Gen. and Hons.), B.Com., B.P.H.E., B.N.Sc., B.Sc.Engr., LL.B., M.A., M.Sc., M.B.A., M.Sc. (Med.), M.D., M.Sc.Engr., and Ph.D.

Diploma in Health Nursing, Education, Radiology, etc., are also awarded.
 LL.D., D.Sc., D.D. are honorary degrees.

QUEEN'S UNIVERSITY

KINGSTON, ONTARIO, CANADA

This University offers courses at undergraduate and post-graduate level and has facilities for research in the following subjects :

Arts (Classics, Drama, English, Economics, French, German, Hebrew, History, Italian, Philosophy, Political Science, Russian, Spanish).

Science (Biology, Chemistry, Geography, Geology, Physics, Mathematics, Psychology).

Engineering (Chemical, Civil, Electrical, Mining and Metallurgy), Commerce, Business Administration, Law, Music, Nursing, Physical Education, Household Science, Social Work, and Medicine and Surgery (Almost all fields).

Degrees awarded are B.A. (Gen. and Hons.), B.Sc. (Gen. and Hons.), B.Com., B.P.H.E., B.N.Sc., B.Sc.Engr., LL.B., M.A., M.Sc., M.B.A., M.Sc. (Med.), M.D., M.Sc.Engr. and Ph.D.

Diplomas in Health Nursing, Education, Radiology, etc. are also awarded.
 LL.D., D.Sc., D.D. are honorary degrees.

ROYAL MILITARY COLLEGE

KINGSTON, ONTARIO, CANADA

This College is administered by the National Defence Department of the Federal Government of Canada. It offers courses, only at first degree level. The three joint faculties are operated by a Director of Studies.

Arts (English, French, German, History, Military Studies, Economics and Political Science).

Science (Chemistry, Mathematics, Physics).

Engineering (Chemical, Civil, Electrical and Mechanical).

Degrees awarded are B.A., B.Sc., and B.Engr.



ST. DUNSTAN'S UNIVERSITY

CHARLOTTETOWN, PRINCE EDWARD ISLAND, CANADA

This University offers undergraduate courses in Arts, Science, Commerce and Education.

Arts (Commerce, English, French, History, Latin, Greek, Philosophy).

Science (Chemistry, Mathematics, Physics), Commerce and Education.

B.A., B.Sc., B.Com., and B.Ed. are the degrees awarded. There are no honours or higher degrees.

SAINT MARY'S UNIVERSITY

HALIFAX, NOVA SCOTIA, CANADA

This University offers undergraduate courses, in Arts, Science, and Commerce and Education and Social Work in co-operation with the Maritime School of Social Work at Halifax at post-graduate level. Day division for men only and evening division co-educational.

Arts (Anthropology, Archaeology, Economics, English, French, German, History, Latin, Philosophy, Political Science, Sociology).

Science (Biology, Chemistry, Geology, Mathematics, Physics, Psychology), Commerce, Social Work and Education.

Degrees awarded are B.A. (Gen. & Hons.), B.Sc. (Gen. & Hons.), B.Com. (Gen. & Hons.), B.Ed., M.A. (Edn.), M.S.W., etc.

LL.D., D.C.L., Litt.D. are honorary degrees.

ST. FRANCIS XAVIERS UNIVERSITY

ANTIGONISH, NOVA SCOTIA, CANADA

It offers undergraduate courses and post-graduate work in the following subjects:

Arts (Classics, Economics, English, French, German, History, Political Science, Philosophy, Sociology, Russian, Spanish).

Science (Biology, Chemistry, Geology, Mathematics, Physics, Psychology), Commerce, Education, Home Economics, Nursing and Social Work in co-operation with the Maritime School of Social Work.

Degrees awarded are B.A., B.Sc. (Gen. & Hons.), B.Com., B.Sc.N., B.Ed., B.Sc. (H.Ec.), M.A., M.Sc., M.Ed., and M.S.W.

Honorary Degrees are D.Litt., LL.D., and D.Sc.

UNIVERSITY OF SASKATCHEWAN

SASKATOON, SASKATCHEWAN, CANADA

It offers courses at undergraduate and post-graduate level and has facilities for research in the following subjects.



Arts (Classics, Drama, Economics, English, French, German, History, Philosophy, Political Science).

Agriculture (including Animal Science, Crop Science, Dairy Science, Horticulture, Poultry Science, Soil Science, etc.).

Science (Biochemistry, Biology, Chemistry, Geography, Geological Sciences, Mathematics, Physics, Psychology, Sociology).

Engineering (Agricultural Engineering, Civil, Electrical and Mechanical, and Petroleum Engineering).

Medicine (Almost all fields and Surgery), Commerce, Law, Education, Home Economics, Physical Education, Pharmacy, Nursing, etc.

Degrees awarded are B.A., B.Sc., B.Com., B.S.A. (Agr.), B.E., B.Ed., B.S. H.Ec., B.A. (P.E.), B.Sc.Pharm., LL.B., B.S.N., B.Sc. (Med.), M.D., M.A., M.Sc., M.Ed., and Ph.D.

LL.D., D.Sc., D.C.L., D.Litt. are honorary degrees.

UNIVERSITÉ DE SHERBROOKE

(UNIVERSITY OF SHERBROOKE)

CITÉ UNIVERSITAIRE, SHERBROOKE, CANADA

The medium of instruction here is French. It offers courses at undergraduate and post-graduate level in the following subjects:

Biology, Business Administration (Commerce), Chemistry, Economics, Education, Engineering, English, French, Geography, Latin, Law, Mathematics, Philosophy, Phy. Education, Physics, Psychology and Medicine and Surgery.

SIR GEORGE WILLIAMS UNIVERSITY

MONTREAL, CANADA

It is named after the founder of the Y.M.C.A., Sir George Williams. It offers courses at undergraduate level in the following subjects:

Biology, Chemistry, Classics, Commerce, Economics, Education, English, Fine Arts, French, Geography, German, Hebrew, History, Mathematics, Philosophy, Physics, Political Science, Psychology, Sociology and Spanish.

B.A., B.Sc., and B.Com., are the degrees conferred.

UNIVERSITY OF TORONTO

TORONTO, ONTARIO, CANADA

It is the biggest University in Canada. It offers courses at undergraduate and post-graduate level and has facilities for doing research work in the following subjects. It has a few affiliated colleges like St. Michael's College, Trinity College, etc.

Arts (Classics, East Asian Studies, Economics, English, Fine Arts, French, German, History, Islamic Studies, Italian, Near Eastern Studies, Philosophy, Political Science, Russian and Spanish).

Engineering (Aerophysics, Architecture, Chemical, Civil, Electrical, Industrial, Mechanical, Metallurgical and Mining).



Science (Anthropology, Astronomy, Botany, Biology, Chemistry, Food Science, Geography, Mathematics, Mineralogy (Geol. Sc.), Physics, Psychology and Zoology).

Medicine and Surgery (Almost all fields), Commerce, Business Administration, Dentistry, Education, Forestry, Law, Music, Pharmacy, Physical and Health Education, Library Science, Nursing, Social Work, Guidance, etc.

Degrees awarded are B.A., B.Sc., B.Com., B.Mus., B.P.H.E., LL.B., B.A.Sc., B.Sc. (Med.), B.Sc.D., B.Sc.F., B.Sc.Pharm., B.S.A., B.Sc.W., B.Arch., D.D.S., D.V.M., M.D., B.L.S., B.S.W., M.A., M.Sc., M.S., M.B.A., M.A.Sc., LL.M., M.Arch., M.Sc.F., M.Ed., M.L.S., M.S.W., M.S.A., M.Sc.D., M.Sc.Pharm., D.S.W., Ed.D., Ph.D., M.L.S., Mus.D., D.V.Sc., D.Jur., etc.

Post-graduate Diplomas are also awarded in some subjects.

L.L.D., D.Sc., D.Litt., D.Eng., D.Arch., etc., are honorary degrees.

VICTORIA UNIVERSITY

QUEEN'S PARK, TORONTO, ONTARIO, CANADA

It offers courses at undergraduate level in arts, science and commerce. It was originally federated with the University of Toronto, Canada.

Degrees awarded are B.A., B.Sc., and B.Com.

UNIVERSITY OF WATERLOO

WATERLOO, ONTARIO, CANADA

It offers courses at undergraduate and post-graduate level and has facilities for research in the following subjects:

Arts (Classics, Economics, English, French, German, Russian, History, Italian, Philosophy, Political Science and Spanish).

Science (Biology, Chemistry, Geography, Mathematics, Physics, Sociology).
Engineering (Chemical, Civil, Electrical and Mechanical).

Degrees conferred are B.A., B.Sc., B.A.Sc., M.A., M.Sc., M.A.Sc. and Ph.D.

Honorary degrees are D.Sc., D.Litt., LL.D.

WATERLOO LUTHERAN UNIVERSITY

WATERLOO, ONTARIO, CANADA

It offers courses at undergraduate level in arts and business administration including secretarial science in the following subjects. Plans for post-graduate studies are under consideration.

B.A. (Gen and Hons), B.A. in Business Administration are the degrees awarded.

D.D., D.Litt., LL.D. are honorary degrees.

UNIVERSITY OF WESTERN ONTARIO

LONDON, ONTARIO, CANADA

This University offers courses at undergraduate and post-graduate level and has facilities for research in the following subjects.



Arts (Classics, Economics, Sociology, English, French, Italian, Spanish, German, Hebrew, History, Philosophy, Political Science, Russian).

Science (Astronomy, Botany, Chemistry, Geography, Geology, Geophysics, Mathematics, Physics, Psychology, Zoology).

Medicine and Surgery (Almost all fields), Business Administration, Engineering Science, Journalism, Law, Music, Nursing, Home Economics, Physical Education, Secretarial Science, etc.

Degrees awarded are B.A. (Gen and Hons), B.Sc. (Gen and Hons), B.E.Sc., B.Sc.N., LL.B., M.A., M.Sc., LL.M., M.E.Sc., M.B.A., M.Sc.N., M.D., and Ph.D.

Diplomas are also granted in Business Administration, Journalism, Music, etc.

D.C.L., LL.D., D.Sc., D.Litt., D.Mus., D.D. are honorary degrees.

YORK UNIVERSITY

TORONTO, ONTARIO, CANADA

It was previously under the University of Toronto. It started offering its own courses at first degree level in arts and science.

UNIVERSITY OF GUELPH

GUELPH, ONTARIO, CANADA

It was previously under the University of Toronto which transferred its departments of Agriculture, Home Economics and Veterinary Science to this University in May, 1964. The Ontario Agricultural College, Macdonald Institute, and the Ontario Veterinary College together form the nucleus of this new University. It offers courses at undergraduate and post-graduate level and has facilities for research in Veterinary Science.

The degrees awarded are B.S.A., B.H.Sc., D.V.M., M.S.A., M.V.Sc., D.V.S.

UNIVERSITY OF WINDSOR

WINDSOR, ONTARIO, CANADA

This University offers courses at undergraduate and post-graduate level in the following subjects and also offers facilities for research.

Arts (Classics, Drama, Economics, English, Fine Arts, French, German, History, Philosophy, Political Science, Russian, Spanish).

Engineering (Chemical, Civil, Electrical, Mechanical and Engineering Science).

Science (Anthropology, Biology, Chemistry, Geography, Geology, Mathematics, Physics, Psychology, Sociology), Business Administration, Commerce, Household Science, Nursing, etc.

Degrees awarded are B.A. (Gen and Hons), B.Sc. (Gen and Hons), B.Com. (Gen and Hons), B.A.Sc., B.Sc.N., M.A., M.Sc., M.B.A., M.A.Sc., and Ph.D.

Honorary degrees D.C.L., LL.D., D.Sc., D.Litt., D.Sc. Business Administration, etc.



ST. THOMAS' UNIVERSITY
CHATHAM, NEW BRUNSWICK, CANADA

This University offers first degree course in arts, education and Nursing.

BROCK UNIVERSITY
ST. CATHARINES, ONTARIO, CANADA

It was established in 1964 and it offers first degree courses in arts and science.

TRENT UNIVERSITY
PETERBOROUGH, ONTARIO, CANADA

This University was set up in the year 1964. It offers first degree courses in arts and science.

SIMON FASER UNIVERSITY
BURNABY, BR. COLUMBIA, CANADA

This University was started in 1965. It offers first degree courses in arts, education and science.

NOTRE DAME UNIVERSITY OF NELSON
NELSON, BR. COLUMBIA, CANADA

This University offers first degree courses in arts and science.

COLLÈGE SAINT-ANNE
(ST. ANNE'S COLLEGE)
CHURCH POINT, NOVA SCOTIA, CANADA

It has first degree courses in arts and general science.

COLLÈGE DE L'IMMACULÉE-CONCEPTION
MONTREAL, QUEBEC, CANADA

This is a french language institution. It offers first degree courses in arts.

LAKEHEAD COLLEGE OF ARTS, SCIENCE & TECHNOLOGY
PORT ARTHUR, ONTARIO, CANADA

It was formerly a junior College. From 1966 it has been authorised to grant degrees in arts and science.



LAURENTIAN UNIVERSITY OF SUDBURY

SUDBURY, ONTARIO, CANADA

This University offers first degree courses in arts and science It is being organised to deliver instruction in certain other fields as well.

OSGOODE HALL LAW SCHOOL

TORONTO, ONTARIO, CANADA

This Institution (Law Society of Upper Canada) offers courses only in law at undergraduate (LL.B.) and postgraduate (LL.M.) level.

PONTIFICAL INSTITUTE OF MEDIAEVAL STUDIES

TORONTO, ONTARIO, CANADA

This Institute has Pontifical Charter. It offers graduate degrees in mediaeval studies.

NEW ZEALAND



General Information

New Zealand is a small island on the Southeast of Australia. English is the Medium of instruction and a good number of foreign students go there for higher studies. School education is usually of 12 years duration. The higher School Certificate takes one more year.

The academic year starts in early March. A minimum of 3 years study is necessary for the first degree, and 4 years for the first degree in Engineering, Mining, Chemical, Law, Metallurgy, and Medicine including Dentistry takes 6 years. Honours may be obtained on the result of a bachelor's degree. Master's degree course is of 1 or 2 year's duration and is either with or without thesis. Another 3 years may be spent for the research degree leading to Ph.D.

A full-time foreign student usually requires £600 per annum either living in hall of residence or private. A foreign student qualified in his own home University, is eligible to register for a higher degree course in New Zealand. There are six semi-autonomous Universities in New Zealand. Tuition fees vary and may approximately come to £200 per annum, according to courses pursued. There are other Polytechnic Institutions which award certificates in professional courses in Engineering, etc. The Universities also grant Diplomas (Post-graduate academic) and the duration of the courses range from one to two years.



UNIVERSITY OF AUCKLAND

AUCKLAND, NEW ZEALAND

There are facilities for the study of first-degree, master's degree and research degrees. The following subjects are available :—Accountancy, Anthropology, Architecture, Botany, Chemistry, Economics, Education, Engineering (Civil, Electrical, Mechanical, Mining), English, Fine Arts, Geography, Geology, German, History, Law, Mathematics, Medicine and Surgery, Music, Philosophy, Physics, Political Science, Town Planning, Zoology, etc.

Degrees awarded are, B.A., B.Sc., B.Com., B.Mus., B.E., LL.B., B.Arch., M.A., M.Sc., M.Com., LL.M., M.E., M.Arch., Ph.D., D.Litt., D.Sc., LL.D., Mus.D.

Diploma in education, Edn. psychology, Music, etc., also are conferred.

UNIVERSITY OF CANTERBURY

CHRISTCHURCH, NEW ZEALAND

There are facilities for the study of first degree, master's degree and research degrees. Lincoln College is a constituent College of this University which offers courses in Agriculture (all branches including engineering), Horticulture, Soil Science, Veterinary Science and Wool Science. Subjects taught are Accountancy, Agricultural Economics, Engineering, Law, Microbiology, Zoology, Animal Husbandry, Botany, Chemistry, Economics, Education, English, Farm Management, Fine Arts, Geography, Geology, History, Horticulture, Law, Mathematics, Music, Modern Languages, Philosophy, Physics, Plant Science, Political Science, Psychology and Sociology, Rural Education, Soil Science, Zoology and Engineering (Civil, Chemical, Electrical, Mechanical).

Degrees offered are B.A., B.Sc., B.Com., LL.B., B.E., Mus.B., B.Agr., B.Agr. (Hort.), M.A., M.Sc., M.Com., LL.M., M.Agr.Sc., M.Agr.Sc. (Hort.), M.E., Ph.D., D.Litt., D.Sc., and Diploma in Education, Music, Fine Arts, Farm Management, etc.

MASSEY UNIVERSITY OF MANAWATU

PALMERSTON NORTH, NEW ZEALAND

Courses leading to first degree, master's degree and doctorate degree are available in the following subjects :—Botany, Chemistry, Biochemistry, Education, English, Food Technology, Geography, History, Mathematics, Modern Languages, Veterinary Science, Agricultural and Horticultural and Horticultural Sciences (Farm Management, Microbiology, Sheep Husbandry, Wool, Poultry Husbandry, etc.), Zoology.

Degree conferred are B.Agr., B.Agr. (Hort.), B.Agr.Sc. (Hort.), B.Food Tech., B.V.Sc., B.A., B.Sc., B.Agr.Sc., M.Agr.Sc., M.Agr.Sc. (Hort.), M.Food Tech., M.V.Sc., M.Agr.Sc. (Dairy Tech.), Ph.D.

Diplomas are also available in Dairy Engineering, Sheep Farming, Agricultural Science, Wool and Wool classing, etc.



UNIVERSITY OF OTAGO

DUNEDIN, NEW ZEALAND

There are facilities for the study of first degree, master's degree and research degrees.

The subjects taught include Anthropology, Biochemistry, Botany, Chemistry, Classics, Commerce, Dentistry, Economics, Education, English, Geography, Geology, History, Home Science, Law, Marine Biology, Mathematics, Microbiology, Modern Languages, Music, Philosophy, Psychology, Physical Education, Physics, Physiology, Medicine and Surgery, Zoology, etc.

Degrees conferred are B.A., B.Sc., B.Com., LL.B., B.E., B.H.Sc., B.Mus., B.D.S., B.Med.Sc., M.B., Ch.B., M.A., M.Sc., M.Com., LL.M., M.H.Sc., M.E., M.D.S., M.Med.Sc., Ph.D., Ch.M., M.D., D.D.S., LL.D., Litt.D., Mus.D., D.Sc.

Diplomas are also available in Education, Music, Home Science, Physical Education, Diagnostic Radiology, Obstetrics, Microbiology, Land Surveying, etc.

VICTORIA UNIVERSITY OF WELLINGTON

WELLINGTON, C.I., NEW ZEALAND

Facilities exist for courses leading to first degree, Master's degree and research degrees.

Subjects taught include Accountancy, Anthropology, Asian studies, Botany, Business Administration, Chemistry, Classics, Economics, Education, English, Geography, Geology, History, German, French, Italian, Law, Mathematics, Music, Philosophy, Physics, Public Administration, Psychology, Social Science, Zoology, etc.

Degrees granted are B.A., B.Agr., B.Agr.Sc., B.Agr. (Hort.), B.Sc., B.Food Tech., B.Mus., LL.B., B.Com., M.A., M.Sc., M.Com., LL.M., M.Agr.Sc., M.Food Tech., Ph.D., D.Sc., LL.D., D.Litt., Mus.D.

Diplomas are also offered in education, Banking, Music, Public Administration, Social Sciences, etc.

UNIVERSITY OF WAIKATO

HAMILTON, NEW ZEALAND

This University only started in 1964 with the faculties of Economics, English, Foreign Languages, History, Mathematics and Philosophy.

NON-ENGLISH SPEAKING COUNTRIES

AUSTRIA



General Information

Austria is located in the heart of Europe. She has natural beauties which attract the foreigners. It is the homeland of music. Vienna is the Capital. Austria has lakes, water-falls, dark forests, the warm Alpine lakes, valleys, mountain peaks which are accessible by cable car and chair lift and has an extensive net work of railways and mountain roads and accommodation to suit everyhand from de luxe hotels to simple and inexpensive inns. The Federal Republic of Austria is composed of 9 Provinces. German is the language of Austria.

The normal academic year starts in October and is divided into the winter semester (February middle) and the summer semester (March) and 18 years, the minimum entry age to Universities and Institutions after completion of School education. The same principle of freedom of education is followed in Austria as in Germany. Sufficient proof of knowledge in German language is necessary before admission. Living expenses in Austria are not very high and A.S.2500 will be more than enough to cover the cost of rent, food, fares, etc. Inexpensive meals are available at University Cafeterias and Restaurants. The Austrian Federal Railways grant 50% reductions in fare to students. Students may live in student homes, with families and in private rented room. Austrian Universities and Institutions have no residential facilities for students. There are a number of student organisations who look to the welfare of foreign students. Austrians are not very much different from that of the Germans in manners and customs.

Tuition fees at Austrian Universities and Institutions vary according to the course of study and the semester. 73 Austrian shillings equal to one English Pound. The course in Theology is not mentioned. Of the three Universities, the University of Vienna is the oldest and was established as far back as 1365. There are two Technical Universities.

Universities and Institutions of University rank authorised to grant degrees, and their addresses.

UNIVERSITY OF VIENNA

(UNIVERSITÄT WIEN)

DR. KARL LUEGER-RING 1, VIENNA I

UNIVERSITY OF GRAZ

(KARL-FRANZENS-UNIVERSITÄT)

UNIVERSITÄT SPLATZ, GRAZ, STYRIA

UNIVERSITY OF INNSBRUCK

(LEOPOLD-FRANZENS-UNIVERSITÄT)

INNRAIN 52, INNSBRUCK, TYROL

The above three Universities have the following faculties :—Law and Political Science, Sociology, Medicine and Surgery and Philosophy (Humanities and Sciences)—Philosophy, Psychology, Paedagogies, History, Journalism, Archaeology, Musiology, Art and Drama, Philology, Oriental Studies, Geography, Anthropology, Astronomy, Physics, Chemical Laboratory, Radium research, Mineralogy, Geology, Botany, Physiology, Zoology, Pharmaceutical Laboratory, Pharmacognosy, Physical Education, Domestic Science, etc.

In addition, the Vienna Academy of Medicine offers Post-graduate training in a variety of special fields to Doctors of Medicine who have a degree either from Austrian or foreign University. A simple diploma may be obtained in any specialized field of medicine and surgery after one year of post-graduate training, a membership diploma takes two years of training at post-graduate level. Registration dates are either April or October.

TECHNICAL UNIVERSITY, VIENNA

(TECHNISCHE HOCHSCHULE WIEN)

KARLSPLATZ 13, VIENNA IV

TECHNICAL UNIVERSITY, GRAZ

(TECHNISCHE HOCHSCHULE GRAZ)

RECHBAUERSTROßE 12, GRAZ, STYRIA

The above two technical Universities award D.Tech.Sc. (Doctor's degree in technical science) or Dr.Inr. and have the following departments—Engineering (Structural, Civil, Architectural, Mechanical, Electrical, Naval and Marine, Paper and Wood Technology, Industrial Physics and Chemistry, Fuel and Gas Surveying, Industrial Engineering, Actuarial Mathematics, Machine Construction, Electrotechnics and the department for to be teachers—Mathematics, Geometry, Chemistry and Physics.



SCHOOL OF MINING AND METALLURGY
(MONTANISTISCHE HOCHSCHULE)

LEOBEN, STYRIA

SCHOOL OF AGRICULTURE AND FORESTRY
(HOCHSCHULE FÜR BODENKULTUR)

GREGOR-MENDEL STRASSE 33, VIENNA XVIII

VETERINARY INSTITUTE
(TIERÄRZTLICHE HOCHSCHULE)

LINKE BAHUGASSE 11, VIENNA III

SCHOOL OF ECONOMICS AND BUSINESS ADMINISTRATION
(HOCHSCHULE FÜR WETTHANDEL)

FRANZ-KLEIN-GASSE 1, VIENNA XIX

ACADEMY OF FINE ARTS
(AKADEMIE DER BILDENDEN KÜNSTE)

SCHILLER PLATZ 3, VIENNA I

ACADEMY OF MUSIC AND DRAMATIC ART
(AKADEMIE FÜR MUSIK UND DARSTELLEND KUNST)

LOTHRINGERSTRASSE 18, VIENNA III

ACADEMY OF MUSIC
(MOZARTEUM)

SALZBURG

CZECHOSLOVAKIA

General Information

Czechoslovakia is in the centre of Europe with gifted natural beauty. Prague is the Capital City. It is now Czechoslovak Socialist Republic.

During Hitler's occupation (1939 to 1945), all Czech Universities were forcibly closed and the student leaders murdered on November 17, 1939, and other students and all teachers were taken to Prisons and Concentration Camps. The University of 17th November was established in 1961 in Prague.

Scholarships awarded by this country to foreign students to study at post-graduate level, may do the course in English or German or French or Russian provided a suitable tutor may be available. This provision exists in the University of 17th November.

School education is of 12 year's duration and students are to take the required examination for University entrance. All education is free of charge even for foreign students.

It takes 3 years for the award of the academic degree (candidate of Sciences) and the higher academic degree is the 'Doctor of Sciences'.

The majority of students live in hostels. Meals are cheap at canteens and students enjoy many other advantages such as reduction of fares in public transport, cinema, etc.

The following are the Universities and their faculties.

**CHARLES UNIVERSITY, PRAGUE**

(LAW, PHILOSOPHY, NATURAL SCIENCES, MEDICINE AND INSTITUTE OF PHYSICAL
TRAINING AND SPORTS)

UNIVERSITY OF JAN E. PURKYNĚ, BRNO

(PHILOSOPHY, SCIENCES, MEDICINE AND TEACHING)

COMENIUS UNIVERSITY, BRATISLAVA

(MEDICINE, PHILOSOPHY, LAW, PHARMACY, SCIENCES AND INSTITUTE OF PHYSICAL
TRAINING AND SPORTS)

UNIVERSITY OF P. J. SAFÁŘIK, KOŠICE

(PHILOSOPHY, MEDICINE AND TEACHING)

UNIVERSITY OF 17TH NOVEMBER, PRAGUE

(LANGUAGE AND SPECIALISED STUDY, NATURAL SCIENCES, TEACHING, TECHNICAL
SCIENCES, SOCIAL SCIENCES)

This University has School of Economics (Political Science, Applied Economics, Commerce, Economic Planning).

SCHOOL OF ECONOMICS, BRATISLAVA

(POLITICAL ECONOMY, APPLIED ECONOMICS, ECONOMIC PLANNING)

CZECH TECHNICAL UNIVERSITY, PRAGUE

(ARCHITECTURE AND BUILDING, ELECTRICAL ENGINEERING, TECHNICAL AND
NUCLEAR PHYSICS)

COLLEGE OF CHEMICAL TECHNOLOGY, PRAGUE

(INORGANIC, ORGANIC AND FOOD TECHNOLOGY, AUTOMATION AND ECONOMICS
OF CHEMICAL PRODUCTION)

COLLEGE OF MECHANICAL & TEXTILE ENGINEERING, LIBEREC

(ENGINEERING AND TEXTILE TECHNOLOGY)

**COLLEGE OF MECHANICAL AND ELECTRICAL ENGINEERING,
PLZEN****COLLEGE OF CHEMICAL TECHNOLOGY, PARDUBICE****TECHNICAL UNIVERSITY, BRNO**

(ARCHITECTURE & BUILDING, ELECTRICAL ENGINEERING)



UNIVERSITY OF MINING AND METALLURGY, OSTRAVA
(MINING & GEOLOGY, METALLURGY, MECHANICAL & ELECTRICAL ENGINEERING
AND METALLURGICAL WORKS)

SLOVAK TECHNICAL UNIVERSITY, BRATISLAVA
(ARCHITECTURE AND BUILDING, MECHANICAL, ELECTRICAL AND CHEMICAL
ENGINEERING)

There are also College of Transport (Zilina), Technical College (Košice), College of Agriculture (Prague), Agriculture and Forestry (Brno), Agriculture (Nitra), Forestry and Wood Processing (Zvolen), Music and Dramatic Arts (Prague), Applied Arts (Prague), Music and Dramatic Arts (Brno), Music and Dramatic Arts (Bratislava), Fine Arts (Bratislava) and a number of Teachers' Training Colleges all over the country.

DENMARK



General Information

Denmark is a small country of Europe. Copenhagen is the Capital.

Danish language is the medium of instruction. The academic session begins in early October. Sessions are conducted in English only in the International Colleges in Denmark but a working knowledge of the Danish language is necessary.

The following are the two Universities.

UNIVERSITY OF COPENHAGEN

(KOBENHAVNS UNIVERSITAT)

FRUE PLADS, COPENHAGEN. K., DENMARK

UNIVERSITY OF AARHUS

(AARHUS UNIVERSITAT)

AARHUS, DENMARK

The International College of Copenhagen, 140 Soborg, Copenhagen, Denmark, conducts courses in English during summer session in particular and during other period of the year and the duration of the courses vary from 2 to 4 months for promoting International understanding in different aspects for those ranging in the age-group of 18 to 25 years.

The Students' Union of Copenhagen where most lectures and seminars are held, helps native and foreign students with useful information and arranges for their stay, board, etc.

FRANCE



General Information

In the European Countries, France is second in size, next to U.S.S.R. The Alps are on the Italian and Switzerland borders. The Vosges are in the North-east and the Pyrenees are on the Spanish boarder. Of the four rivers, three of them flow West, the Seine into the English Channel, the Loire into the Atlantic and Garonne into the Bay of Biscay, and Rhone flows south into the Mediterranean. The island 'Corsica,' where Napoleon was born is in the Mediterranean—South-east of Nice.

France has a Republican form of government. There are the President and the Premier. The President is elected for 7 years. He appoints the Premier and on the recommendations of the Premier, other members of the government are appointed. The President is empowered to dissolve Parliament after consultation with the Premier and the Presidents of the 2 houses of Parliament. The President of the Republic enjoys exceptional powers during the period of emergency.

The Premier directs the government's action and the government determines the country's general policy. The government is responsible to the National Assembly.

French is the medium of instruction in France. Proof of the knowledge of French is necessary for admission for a foreign student. Individual University decides whether or not to admit a foreign student. But usually the first degree from the student's own country University is required. Academic year starts in October.

The educational system in France is very similar to that of West Germany. Applications are to be made about a year in advance to the head of the institution by a student who seeks admission. On registering as a student you are given a "Livret d'Etudiant" which entitles you to various concessions as much in the same way as German students enjoy in West Germany.

Higher education in France is almost free. A student is to pay the Registration fee which ranges from 30 to 40 N.F. If a student is to buy books, papers, etc., he can have them at concession rate with the 'Livret' which entitles him.

Living costs are considerably high in France. There are Hotels, Pensions (Breakfast, Lunch and Dinner are available) and Apartments.

University Halls and residences are few in France but there are dormitories and youth hostels in University Cities and accommodation is cheap there. Living with a family is cheap also. The following two agencies help foreign students in giving information :

1. Alliance Francaise de Paris
101 Boulevard Raspail, Paris, France.
2. Bureau d'Accueil et d'Information
Pour les Etudiants Etrangers
15 rue Sufflot, Paris-5, France.

Students are warned not to take up full work but they may work part time. 'Livret' entitles students to have food at reduced rate in some restaurants. Students living in apartments and with facilities and even pensions are naturally attracted to these restaurants. This Student Concession Card also allows him



to buy things at reduced prices in shops and free entry to Museums, Art Galleries, etc.

The ' Metro ' (underground Railways), buses and trolleys, Taxies, etc., are the mode of transport. Students enjoy concession in fares.

For lack of sufficient halls and residences and various sociological and historical reasons, student-life is comparatively dull in France.

Small groups of students are to have intellectual exchange, if at all, at cafes and restaurants while taking food. There are though student associations which organise social activities and meetings.

There is not very much difference in the manners and customs of the people living in the European Continent. The hints in this connection in the general information of West Germany, also apply to France.

In the University of Paris, there is a student settlement (cite Universitaire). French and foreign students can live there and for entry there students are to write to ' The National Foundation of University City of Paris, 19 Bd Jourdan, 14.

French Universities and institutions with their addresses and the courses available there are given. The course in Theology or Divinity is not included.

State Diploma (La Licence en Droit and La Licence des Sciences Economiques) takes 4 years to complete and for the Higher Diploma in (Law, Medicine, etc.) a further period of two years are necessary. There are State Grades (Certificates of Advanced Studies, Diplomas of Advanced Studies, Doctor of Letters).

There are also University Grades and Diplomas including Doctor of Letters. The school leaving certificate in France is known as baccalauréat.

**Aix-en-Provence****UNIVERSITY OF AIX-MARSEILLES**

COURS MIRABEAU, AIX-EN-PROVENCE

AIX—LAW AND ECONOMICS AND LETTERS

MARSEILLES—SCIENCE, MEDICINE AND PHARMACY

There are a number of institutes—such as Social Relations Studies, French Studies for foreigners, Political and Administrative Studies, Tropical Medicine and Pharmacy, Physical Education, Plant Pharmacy, Pediatrics and Child Welfare, Fluid Mechanics, National Fat Research Laboratory, Astronomic Laboratory, Marine, Biological and Oceanographic Research Station, Scientific and Industrial Research Centre, School of Dentistry, School of Engineering, Technical Institute, etc.

Angers**CATHOLIC FACILITIES OF THE WEST**

PLACE ANDRE LEROY, P.O. BOX 201

LAW, LETTERS AND SCIENCES

There are institutes of Agriculture and Viticulture, Commerce, Rural Studies, Domestic Science, Industrial Chemistry, Electrical Engineering, Psycho-Pedagogical Studies, French Language and Research, Philosophy, Social Work, Chemical Research Centre, Botanical Research Centre, etc.

Besancon**BESANCON UNIVERSITY**

8Rue de LA CONVENTION

LAW, LETTERS AND SCIENCES

There are institutes of Chemistry, Medicine and Pharmacy, National Observatory (Astronomy), Chronometric Institute, etc.

Bordeaux**BORDEAUX UNIVERSITY**

29 COURS d'ALBERET

LAW, LETTERS, MEDICINE, SCIENCES

There are institutes of Political Science, Juridicial Studies, Marine Biology, Physical Education, Industrial Medicine, Psychological and Psycho-Social studies, Applied Human Sciences, Demographic Studies. Business Adminis-



tration, Criminal Science, Studies in Law, Economic Studies, Geology, French Studies, National Centre of Chemistry, Radio-Electrical Engineering.

Caen

CAEN UNIVERSITY

RUE du GAILLON

LAW, LETTERS, ECONOMICS, SCIENCES

There are institutes of Medicine and Pharmacy, Demography, Chemistry, Engineering, Applied Geography, Business Administration, etc.

Clermont-Perrand

CLERMONT-PERRAND UNIVERSITY

3 AVENUE VEREINGETORIX

LAW, LETTERS, MEDICINE AND PHARMACY, SCIENCES

There are Schools of Applied and Fine Arts, Dentistry, Midwifery, Child Welfare, Notarial Studies, Physiotherapy, Social Work, Applied Psychology, Mental Hygiene, Industrial Chemistry, College of Commerce, Meteorology, etc.

Dijon

DIJON UNIVERSITY

2 RUE CREBILLON

LAW, LETTERS AND SCIENCES

There are Institutes of Medicine, Pharmacy, Midwifery, Comparative Law, Economics, Business Studies, Legal Studies, Administrative Studies, Marine Zoological Station, Viticultural Experimental Station, etc.

Grenoble

GRENOBLE UNIVERSITY

7 PLACE BIR-HAKEIM

LAW, LETTERS, ECONOMICS, SCIENCES

There are Colleges of Medicine and Pharmacy, Paper Technology, Electrical Engineering, Hydraulic and Radio Electrical Engineering, Political Studies, Law and Economics, Business Administration, Geography, Radio Active Isotopes, French Language, etc.



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Lille

LILLE UNIVERSITY

29 RUE des JARDINS

LAW, LETTERS, MEDICINE AND PHARMACY, SCIENCES

There are Schools of Economics, Criminology, Labour Studies, Business Administration, Hygiene, Physical Education, Forensic Medicine, Fluid Mechanics, Radio Technology, Applied Mechanics, Regional Seed Testing, Oil Studies, Agricultural Studies, Chemistry, Applied Zoology.

LILLE CATHOLIC FACULTIES

60 BD. VAUBAN

There are Institutes of Electronics, Social and Political Science, Accountancy, Business Administration, Child Education, Higher Commerical Studies, Higher Industrial Studies, Journalism, Midwifery and Nursing.

Lyons

LYONS UNIVERSITY

30 RUE CONVENNE

LAW, LETTERS, ECONOMICS, MEDICINE AND PHARMACY, SCIENCES

There are Schools of the Study of Population and International Relations, Political Studies, Finance and Insurance, Physical Education, Industrial Medicine, Psychology, Meteorology, Marine Biology, etc.

LYONS CATHOLIC FACULTIES

25 RUE du PLAT

There are Institutes of Sociology, Education, Applied Law, Social Work, Social and Industrial Studies, Industrial Chemistry, Agriculture, Bio-chemistry, Physics, Electronics, Leprosy Research, Nursing.

Montpellier

MONTPELLIER UNIVERSITY

2 RUE de FAUBOURG ST. JAMES

LAW, LETTERS, MEDICINE AND PHARMACY, SCIENCES

There are institutes of Business Management, Botanics, Applied Biological Research, Chemistry, Dentistry, Industrial Pharmacy.

**Nancy****NANCY UNIVERSITY**

13 PLACE CARNOT

LAW, LETTERS, ECONOMICS, MEDICINE AND PHARMACY, SCIENCES

There are institutes of Demography, Commerce, Criminology, Applied and Fine Arts, Dairy, Architecture, Business Administration, Economic Research and Documentation, Agriculture, Brewing, Forestry, Political Studies, Conservatory of Music, Electrical and Mechanical Engineering, Physical Education, Applied Geology, Mathematics, Mining, Metallurgy, Industrial Chemistry, Midwifery, etc.

Paris**UNIVERSITY OF PARIS**

47 rue des Ecoles-5

LAW, LETTERS, MEDICINE, SCIENCES

There are institutes of Criminology, Advanced International Studies, Midwifery, Veterinary, Anaesthetics, Dietetics, Dentistry, Documentation, Ophthalmologie, Medical Histo Chemistry, Industrial Hygiene and Works, Medicine, Ecole-de-Medicine, Parasitology, Pharmacology, Cellular Biology, Child Welfare, Serology, Stomatology, Advanced Science, Marine Biology, Advanced Chemistry, Advanced Mathematics, Psychology, Statistics, Industrial Physics and Chemistry, etc.

CATHOLIC INSTITUTE OF PARIS

21 RUE d'ASSA

There are institutes of Social Studies, Education, Electronics, Chemistry, Sociology, Psychology, Oriental Languages, Business Management, Economics and Commerce, Legal Studies, etc.

The following are other institutes of advanced education with their addresses.
Letters and Humanities,

17 Rue de la Sorbonne-5.

National School of Administration,

56 Rue des Saints-Paris, 7.

National Institute of Nuclear Science,

P.B.B., Gifsuryvette.

National Scientific Research Centre,

13 Quai Anatole-France, 7.

School of Paleography and Librarians,

19 Rue de la-Sorbonne.

National School of Living Oriental Languages,

2 Rue de Lille, 7.

National Institute of Hydrology and Climatology.



- National School of Industrial Ceramics,
6 Grande-Rue Serres, 50.
Institute of Mechanical Construction Materials,
Clichy, Seine.
National School of Radio Technique,
Clichy, Seine.
School of Physical Education,
Avenue du Tremblay, 12.
National Conservatory of Music,
14 Rue de Madrid, 7.
National Conservatory of Dramatic Art,
2 Rue du Conservatoire, 9.
National School of Fine Arts,
14 Rue Bonaparte, 6.
National School of Decorative Arts,
31 Rue d'ulm, 5.
Institute for the Study of Cinematography,
92 Champs-Elysees.
National Institute of Agriculture,
16 Claude-Bernard, 5.
National School of Agronomic Science,
16 Claude-Bernard, 5.
National School of Horticulture,
4 Rue Hardy, Versailles.
National School of Rural Science,
19 Avenue du Maine-15.
National Veterinary College,
Alfort, Seine.
National School of Aeronautical Engineers,
32 Bd. Victor-5.
National Institute of Statistics and Economics,
212 Rue de l'Universite-7.
Paris (National) Mining School,
60 Bd. Saint-Michel-5.
French Institute of Motor Fuels,
2 Rue de Lubeck-16.
Oceanographic Institute,
195 Rue Saint Jacques, 5.
National School of Highways and Bridges,
28 Rue des Saint-Peres, 7.
National School of Geographical Science,
2 Avenue Pasteur, St. Marde.
School of Tropical Agriculture,
20 Rue Monsieur-7.
School of Advanced Commercial Studies,
43 Rue de Tocqueville, 17.
Paris Dental School,
5 Rue Garanciere-6.
Pasteur Institute, 25-28, Rue du Docteur-Roux, 15.

**Poitiers****POITIERS UNIVERSITY****POITIERS****LAW, LETTERS, SCIENCES, MEDICINE AND PHARMACY**

There are institutes of Business Management, Criminal Sciences, French Studies, History, Law, Medicine and Pharmacy, Sciences, etc.

Rennes**RENNES UNIVERSITY****19 Bd. DE SEVIGNE****LAW, LETTERS, ECONOMICS, MEDICINE AND PHARMACY, SCIENCES**

There are institutes of Comparative Law, Business Administration, Social Studies, History, Economics, Odontology, Chemistry, Letters, National School of Medicine and Pharmacy, School of Dental Surgery, Mechanics, Psycho-technical Studies, etc.

Strasbourg**STRASBOURG UNIVERSITY****PLACE DE L'UNIVERSITE****LAW, LETTERS, MEDICINE AND PHARMACY**

There are Schools of Political Studies, Law, Commerce, Business Management, Chemistry (National), Nuclear Research, Macromolecular Research, etc.

Toulouse**TOULOUSE UNIVERSITY****20 RUE SAINT-JACQUES****LAW, LETTERS, MEDICINE, SCIENCE**

There are institutes of Comparative Law, Applied Law, Criminology and Penal Studies, Applied Economics, Agriculture (National), Political Studies, French Studies, Chemical Engineering, Chemistry, Child Welfare, Hydrology, Physical Education, Sexology, Fluid Mechanics.

CATHOLIC INSTITUTE OF TOULOUSE**31 RUE DE LA FONDERIE**

There are institutes of Agriculture, Philosophy, Economics, Sciences, Social Science, etc.



FEDERAL REPUBLIC OF GERMANY
(West Germany)



General Information

Germany to-day is divided. There were nothing but rubble and ruins after the end of World War II. The German people had to start anew to be built in the political, economic and educational fields. The people are to work too much.

Germany is one of the most densely populated countries of the world. There is hardly a field that is not cultivated. There are no jungles, swamps, deserts or prairies. Germany has many beautiful places.

The Northern part is covered by the North German plain, the hills in the Central and the Southern mountain areas constitute the main physical feature of West Germany (The Federal Republic of Germany). The several navigable important rivers are the Rhine, the Danube, Elbe, the Weser, etc.

The German Federal Republic provides for a Federal President, chosen for 5 years by a Federal convention. The Parliament consists of 2 Legislative Houses, the Upper House (Bundesrat) and the Lower House (Bundestag). The Upper House is appointed by the State (Lander) Governments and the Lower House is elected by universal suffrage for 4 years. The Chancellor (Prime Minister) is appointed by the President. The State (Lander) has republican form of Government with an assembly chosen by the people.

Germany has temperate climate neither too hot or cold. The temperature varies between 0 degree centigrade in winter and 20 degrees centigrade in summer. Winter comes in end November or early December and the spring appears as early as end February or early March and the summer is from August or early July. Heavy frost and snow are frequent in winter and heat waves in summer but rarely and are soon over. By September it is Autumn.

Berlin has been the intellectual centre of Germany for over a century and even to-day despite the unfortunate political situation. The Free University of Berlin was established in 1948.

The German language is the medium of instruction at all German Universities and technical Universities. Foreigners are to pass German language examination before they are offered places.

The best place to learn a language is in the Country where it is spoken. It is advisable for a foreign student to continue to study German language course in order to improve his knowledge of German further still.

School education (elementary and secondary) in Germany is of 13 years' duration and it terminates with the School leaving certificate called 'Abitur.' 18 years is the minimum age for entry to a German University. For a foreign student 13 years must be spent at school or college together at his home country and must have a good knowledge of German language (evidence to be produced) for study in a German University.

The first degree which is called the 'Diploma' examination is the normal conclusion of studies at German Universities or technical Universities. The period of study leading to the 'Diploma' is divided into two parts (pre-diploma and main-diploma) and the duration of this 'Diploma' course usually is of 8 semesters, i.e., 4 years (one academic year means two semesters of 6 months term). The pre-diploma examination again may be divided into three parts, and the 'Diploma' examination may be taken in any subject for example

in Chemistry, Political Science or Engineering. At some Universities in Germany in the humanities, the academic degree of M.A. (Magister Artium) may be obtained after 8 semesters and this has been introduced recently.

There is also the State Examination for certain professional courses or for post-graduate study but this is for the Germans. Medical profession is taken out of it. Foreign students studying Medicine can take this State examination which is followed by two years of medical internship.

There is no post-graduate course at German Universities which leads to a Doctorate. It is awarded only after the successful completion of a specific piece of original research after the 'Diploma' or an equivalent degree and it usually takes two to four years. In addition to the 'Dissertation,' an oral examination must be passed in the main subject and two subsidiary subjects. The dissertation must be written in German and it has to be printed at the Candidate's expense.

For admission to a German University, a foreign student is to apply at least a year in advance. October is the month for the winter semester. All technical Universities require evidence of six months pre-university practical training for most subjects.

"Hochschulen" in Germany means Institutions of higher learning. There are Institutions of higher education with or without University status. "Hochschulen" without University status offers training for a more or less specific occupation and does not confer the doctorate. We shall deal with the 29 Universities, Technical Universities and Colleges with University status.

There is no College system or fixed classes and no firm and binding regulations in respect of a course of study but only a certain schedule of studies which should be followed to achieve the required standard in a particular field of study. Lectures, seminars and practicals at the different faculties are arranged according to a plan which will enable a student to observe certain terms. Whether a student will eventually reach his goal will largely depend on his own initiative. This principle of freedom of learning has both advantages and dangers.

Living costs vary widely. It is much cheaper to live in a small University town compared to a big University City. A great deal less will cost you to live in a student hostel provided you are fortunate enough to get a place. It depends where and how the student wants to live and speaking roughly DM350 to DM400 will be necessary per month excluding tuition fees which vary in different states and generally come to DM50 to DM200 for semester fees, laboratory and examination fees.

In Germany students enjoy certain privileges and reductions. Just get a certificate from the local Union of students ('Asta' or Allgemeiner Studententrent-Ausschuss), and with it you buy books, etc. for your studies at a reduced price, reduced tickets for many events like opera, concert, play or movie. Local bus, train and tram services have reduced rates for students.

There is no chance of earning their living through part-time jobs or work. Students face difficulties in finding suitable accommodation due to acute housing shortage. The number of rooms available in student hostels is still extremely limited.

It is important to know the things or items you are to take with you when you go to Germany. It is better you get them in Germany as they are available there at a reasonable price.



Tips to a Porter, Taxi driver, Waiter, etc., usually should be 10 to 15% of the bill.

In Germany, they drive on the right hand side, just the opposite of what we do in our country. A foreign student is to register with the Police within one week of his arrival in Germany.

Restaurants and snack bars usually, except the expensive ones, get the menu posted outside, next to the entrance. Meal time in Germany is from 12 noon to 2 p.m. for lunch and from 7 to 9 p.m. for dinner.

The 'Mensa,' i.e., Students' restaurant and it is available at every University and it offers only one or two different meals for DM1 or DM1.50 and snacks like pastry and cold drinks, milk, cocoa, coffee, etc. These places are subsidised and cheaper than elsewhere. These student restaurants are on the self-service system.

There are student associations, committees, clubs, etc., and Foreign Students' Office, World University Service for social, political and cultural activities.

The best way to know Germans is to accept invitation to visit German families. The Germans are also interested to know foreigners and their way of life. It is better you accept the invitation unless you are otherwise engaged. It is almost a matter of course that you offer a few flowers to your host in return for the invitation. It is necessary to be punctual and a telephone call the day after, though not compulsory, will no doubt be appreciated by your host. Good manners are always welcome, and gentleman like.

It is customary in Germany not to cut potatoes in the main dishes by the knife but to use the fork for this purpose.

A gentleman should always greet a lady first and a younger person greets an older one first. In trains, trams, buses, etc., young people should always vacate their seats for older persons. If you are a guest in a house or if you are in a professor's room, you should not take your seat unless you are asked to sit down. If you are to go to a restaurant with a young lady, you are to enter the restaurant first as a Gentleman and to look for a table and order for the meal.

A general sense, however, will take you to the right tone.

German Universities, Technical Universities and Colleges with University status—their addresses and the courses available there.
The faculty of Theology is not included.



- AACHEN** .. Rheinisch—Westfälische Technische Hochschule, Aachen, Temphergraben 55
Arts and Sciences (Mathematics, Physics, Chemistry, Economics and Cultural Sciences)
Engineering (Architecture, Electrical, Civil, Mechanical and Mining)
- BERLIN** .. Freie Universität, Berlin-Dahlem
Innestrasse 24
(Medicine, Veterinary Science, Law, Economics and Social Science, Philosophy, Mathematics, Political Science, Physical Sciences)

TECHNISCHE UNIVERSITÄT, BERLIN

- Berlin-Charlottenburg, Hardenbergstrasse 34
(Agriculture, Agricultural Technology, Horticulture, Economics, Mathematics, Chemistry, Physics, Architecture, Building & Transport, Surveying, Aeronautical, Electrical, Civil, Mechanical, Marine, Mining, Metallurgy)
- BONN** .. Rheinische Friedrich-Wilhelms-Universität Bonn,
Leibfrauenweg 3
(Agriculture, Law, Mathematics, Medicine, Philosophy, Political Science, Physical Sciences)
- BRAUNSCHWEIG** .. Technische Hochschule Carola-Wilhelmina,
Braunschweig,
Pockelsstrasse 4
(Architecture, Civil, Electrical, Mechanical, Arts and Natural Sciences)
- CLAUSTHAL** .. Technische Hochschule
Clausthal-Zellerfeld,
Adolf-Römer-Strasse 2A
(Mathematics, Mechanics, Physics, Geophysics, Chemistry, Physical Chemistry, Mineralogy, Geology, Law, Social and Economic Sciences, Arts, Petroleum-Geology, Mining and Metallurgy)
- DARMSTADT** .. Technische Hochschule
Darmstadt, Hochschulstrasse 1
(Architecture, Construction (Civil, Electrical, Mechanical), Arts, Political Science, Chemistry, Biology, Geology, Mathematics, Mineralogy, Physics)
- DUSSELDORF** .. Medizinische Akademie
Dusseldorf, Strumpellstrasse 4
(Medicine after 'Vorphysikum' and Dentistry after 'Physikum')
- ERLANGEN-NÜRNBERG** .. Freidrich-Abrauder-Universität
Erlangen, Schlossplatz 3
Erlangen (Law, Medicine, Philosophy, Physical Sciences)



- FRANKFURT** .. Nurnberg (Economic and Social Sciences)
Johann-Wolfgang, Goethe-Universität
Frankfurt/M, Mertonstrasse 17
(Economic and Social Sciences, Law, Medicine,
Philosophy and Physical Sciences)
- FREIBERG** .. Albert-Ludwigs-Universität
Freiburg I, Br., Belfortstrasse 11
(Law and Political Science, Medicine, Philosophy,
Mathematics and Physical Sciences)
- GIESSEN** .. Justus-Liebig-Universität
Giessen, Ludwigstrasse 23
(Agriculture, Medicine, Physical Sciences, and Philo-
sophy, Veterinary Science)
- GÖTTINGEN** .. George-August-Universität
(Agriculture, Economics and Social Sciences, Fores-
try, Law, Mathematics and Physical Sciences, Philo-
sophy, Medicine)
- HAMBURG** .. Universität
Hamburg 13, Schluterstrasse 7
(Economics and Social Sciences, Law, Mathematics
and Physical Sciences, Medicine, Philosophy)
- HANNOVER** .. Technische Hochschule
Hannover, Am Welfengarten 1
Arts, Agriculture, Architecture, Chemistry, Civil
Construction and Surveying, Electrical, Horticulture,
Mathematics, Mechanical, Marine, Physics)
- HEIDELBERG** .. Tierärztliche Hochschule
Hannover, Hans-Böckler-Allee 16
Ruprecht-Karl-Universität
Heidelberg, Grabengasse 1
(Law, Philosophy, Mathematics and Physical Sciences,
Medicine)
- KARLSRUHE** .. Technische Hochschule Fridericiana
Karlsruhe, Kaiserstrasse 1
(Arts, Architecture, Civil, Electrical, Chemistry,
Mathematics, Mechanical, Physical Sciences, Physics)
- KIEL** .. Christian-Albrechts-Universität
Kiel, Olshausenstrasse 40-60
(Agriculture, Law and Political Science, Medicine,
Philosophy)
- KÖLN (COLOGNE)** .. Universität Zu Köln
Köln-Sülz, Universitätsstrasse 16
(Economics and Social Sciences, Law, Mathematics
and Physical Sciences, Medicine, Philosophy)
- MAINZ** .. Johannes-Gutenberg-Universität
Mainz, Forum Universitatis 2
(Law, Economics, Medicine, Philosophy, Physical
Sciences)



MANNHEIM	..	Wirtschaftshochschule Mannheim, Schloss (Business and Industrial Management, Economics and Statistics)
MARBURG/LAHN	..	Philips-Universität Marburg/Lahn, Beegenstrasse 10 (Law and Political Science, Medicine, Philosophy, Physical Sciences)
MUNCHEN (MUNICH)	..	Ludwig-Maximilians-Universität (Law, Medicine, Political Sciences, Philosophy, Phy- sical Sciences, Veterinary Science) Technische Hochschule Munchen 2, Arcisstrasse 21 (Agriculture and Horticulture, Brewing Technology, Architecture, Civil Engineering and Surveying, Elec- trical, Mathematics, Mechanical, Physics, Chemistry)
MUNSTER	..	Westfälische Wilhelms-Universität Munster (Westf), Schlossplatz 2 (Law and Political Science, Philosophy, Mathe- matics and Physical Sciences, Medicine)
SAARBRUCKEN	..	Universität des Saarlandes Saarbrücken 15, Verwaltungsgebäude (Law and Economics, Mathematics and Physical Sciences, Medicine, Philosophy)
STUTTART	..	Technische Hochschule Stuttgart, Huberstrasse 16 (Natural Sciences and Arts (Arts and Liberal Studies, Mathematics, Physics, Chemistry, Geology, Biology) Engineering (Architecture, Aeronautical, Civil and Surveying, Electrical, Mechanical) Landwirtschaftliche Hochschule Stuttgart-Hohenheim, Schloss
TUBINGEN	..	Eberhard-Karls-Universität Tubingen, Wilhelmstrasse 7 (Law and Economics, Mathematics and Physical Sciences, Medicine, Philosophy)
WURZBURG	..	Bayerische Julius-Maximilians-Universität Würzburg, Sanderring 2 (Law and Political Science, Medicine, Philosophy, and Physical Sciences)

Barring the subjects mentioned, the following courses of studies are also available in German Universities.

Agricultural Chemistry, Anthropology, Archaeology, Archives, History, Astronomy, Dentistry, Commerce, Dramaturgy, Physical Training, Education (teaching), Egyptology, Distilling Technology, Fuel Technology, Highway Engineering, Town Planning, Hydraulic Engineering, Material Technology, Petrography, Precision Mechanics, Sugar Technology, Ethnology, Food Che-

mistry, Forestry, Geodesy, Geography, Geophysics, German, Industrial Engineering, Industrial Law, Journalism, Librarianship, Linguistics, Management, Matereology, Microbiology, Mineralogy, Musicology, Pharmacy, Oceanography, Oriental Studies, Pharmacology, Philology, Psychology, Psychotherapy, Social Sciences, Sociology, Timber Technology, Theology, etc.

ITALY

General Information

Italy once upon a time, was a famous Country. It is in the south of Europe. Rome is the Capital.

Italian language is the medium of instruction. The academic year begins in November and ends in October. A student is admitted into the University after completing the secondary school education or its equivalent.

It takes 2 years to do Post-graduate degree or specialized courses after finishing the first University course which is of usually 4 to 6 years duration according to the subject pursued. Living expenses are generally high and roughly 80,000 Lire are necessary for a month (approximately Rs. 600) to cover fees, accommodation, board and incidental charges.

The principal University towns are Rome, Milan, Turin, Genoa, Naples, Bologna, Pavoda, Florence and Palermo.

There are 30 Universities and Institutions of higher education in Italy and they usually have the following faculties :—Agriculture, Architecture, Economics, Engineering, Chemistry, Law, Medicine, Physics, etc.

There are two Polytechnics, one in Milan and another in Turin.

Italy offers a few Scholarships every year through the Government of India (Ministry of Education, New Delhi) for courses like Painting, Sculpture, Industrial Chemistry, Textile Technology, etc., and awards Lire 80,000 a month plus free passage both ways.

JAPAN

General Information

Higher education in Japan has been improved and expanded to a great extent in the recent years. There are a number of research institutes also.

The medium of instruction is Japanese. The academic year starts on the first of April. The age limit is 25 years.

The total period of the School education is 12 years of which 9 years up to lower secondary level is compulsory.

There are 2 and 3 years course available in junior Colleges besides the 4-year course in the Universities and Colleges after completing the 12 year schooling. In Japan they have National Universities and Colleges set up by the State, Public Universities and Colleges established by the local bodies like Municipalities and Private Universities and Colleges.

Admission is offered by a University or a College after completion of at least 12 years School education or equivalent standard.

Daytime courses and evening courses are available. The courses are usually of 4 years duration barring Medical Science and Dentistry which take 6 years to complete and Mercantile Marine course takes 4½ years and evening courses are of 5 years duration.

Japanese Universities confer the degree of 'Gakushi' after 4 years study according to the fields of study and 'Shushi' degree after a 2-year course and 'Hakushi' degree after 3 years of study. There are research Institutes attached to some of the Japanese Universities. Advanced courses lead to no higher degree.

There are no less than 317 Universities and Colleges and courses in any branch of education are available.

The Government of Japan offers a number of Scholarships through the Government of India in various faculties and students are to apply to 'Scholarship Division, Ministry of Education, New Delhi.'

Barring the Government of Japan, Japanese firms also admit trainees in their factories. Details may be had from—

Overseas Technical Co-operation Agency of Japan,
Keizaikyoryoku Centre Building,
42, Honmura-Cho, Ichigaya,
Shinjuku, Tokyo, Japan.

THE NETHERLANDS



General Information

The Netherlands lie in part below sea level and naturally measures are taken to restrain the water and protection is taken against the sea by building dykes and by draining the land. The climate is temperate maritime. Temperature is not very high in summer and in winter they drop below freezing point but only for short periods. Rainfall is fairly regular throughout the year.

The Netherlands is a constitutional monarchy and Queen is the Head of the State. The ministers are responsible to Parliament which consists of two Chambers. The seat of government is the Hague. Rotterdam is the world's second port.

Students usually leave school at the age of 15 but majority of them go in for advanced secondary education and after conclusion of 5 or 6 year's education, one is admitted to a University. Education is through the medium of the Dutch language. But international courses are given in English or German or French.

The expenses for a student covering accommodation, food and incidental charges come to f300 to f400 a month.

The academic year begins in early October or end September. Foreign students are strongly advised to obtain a working knowledge of the Dutch language before coming to Holland. Foreign students must have had secondary school education equivalent to that required for Dutch students for admission to a University.

Because of the freedom of education of the educational system, much depends on the students' own initiative since there is no supervision and guidance is only given when asked for.

Most subjects require 5 to 6 year's study. The student has to take the 'Kandidaat examen' after 2 or 3 year's of study before going to the second part of the course leading to the final degree examination called 'doctoraal examen.' A thesis (original research) is necessary for the Doctor's degree besides other requirements. Students enjoy reductions in many ways.

So far customs and manners are concerned when you are introduced to another—just shake hands and speak out your name and never say how do you do. When invited to a house and if you accept the invitation, it is customary to offer help in the house for the guest.

The following Universities and institutions cover all fields of education—academic and professional.

LEIDEN STATE UNIVERSITY

RAPENBURG-73

CRONINGEN STATE UNIVERSITY

BRAERSTRAAT-5

UTRECHT STATE UNIVERSITY

DOMPLEIN-29

AMSTERDAM MUNICIPAL UNIVERSITY

OUDE MANBUISSPOORT, 4-6

**AMSTERDAM FREE UNIVERSITY****KEIZERSGRACHT-162****NIJMEGEN ROMAN CATHOLIC UNIVERSITY****WILBELMINASINGEL-13****DELFT TECHNOLOGICAL UNIVERSITY****JULIANALAAN-134****EINDHOVEN TECHNOLOGICAL UNIVERSITY****INSULINDELAAN-2****WAGENINGEN AGRICULTURAL UNIVERSITY****HURENSTRAAT-18****ROTTERDAM, NETHERLANDS SCHOOL OF ECONOMICS****PIETER DE HOOCHWEG-1****TILBURG, ROMAN CATHOLIC SCHOOL OF ECONOMICS****BOSSCHEWEG-341**

The following are the international University institutes—Netherlands Universities Foundation for International Co-operation (NUFFIC)—Mohenstraat 27, The Hague.

International Agriculture Centre, Wageningen

International Training Centre for Aerial Survey, Delft

The Institute of Social Studies, The Hague

International Hydraulic Engineering, Delft or
27, Molenstraat, The Hague

International Course on Small-Scale Industries, Delft
or 27, Molenstraat, The Hague.

POLAND



General Information

Polish language is the medium of instruction in Poland. Warsaw is the Capital City.

After completion of higher school graduation, a student is admitted to a University or institution of higher education. The University first course is usually of 4 years duration and leads to Magister. But Medicine, Dentistry, etc., take more years to complete the course (usually 5 to 6 years). The following are the Universities and they have almost all faculties.

UNIVERSITY OF WARSAW

KRAKOWSKIE POZEDMIESCIE 26, WARSAW

JAGIELLONIAN UNIVERSITY

UL. GOLEBIA 24, CRACOW

The institutes of technology include as follows :

Czestochowa College of Technology

ul. Dabrowskiego 79

Gdansk College of Technology

ul. Malklowskiego, 11/12, Gdansk-Wrzeszcz

W. Pstrowski Silesian College of Technology

ul. Kanarskiego 19, Gliwice

Cracow College of Technology

ul. Warszawska 24, Cracow

Lodz College of Technology

ul. Zwirki 36, Lodz

Poznan College of Technology

ul. M. Curie-Sklodowskiej 5, Poznan

H.S. of A

ul. J. Osterwy 4, Lublin

H.S. of A

Olsztyn-Kortowo, Olsztyn.

SWEDEN



General Information

Sweden is in the northern part of Europe and Stockholm is the Capital.

Swedish is the language of the country and the medium of instruction. But some higher education courses are conducted in English for the foreigners though working knowledge of Swedish language is essential.

School education leading to the Matriculation Certificate (Student-examen) takes 12 or 13 years in Sweden and by the time a student is admitted to a University, he is 19 or 20.

The academic year starts in September or October.

According to Swedish University educational system, the student may study quite independently, in his own way. He decides what lectures, he will attend and study barring of course, the medical faculty and Dental and technical Colleges.

There are four types of academic examinations in Sweden. Preliminary and qualifying examinations and the degree or licentiate examination (Licentiatexamen) and doctor's degree (doktorsgraden). It takes 4 to 7 years according to the subject studied to complete the Licentiate.

A student requires approximately 400 Kronor per month for his tuition fees, accommodation, board and incidental expenses.

In Sweden, there is a shortage of academically qualified or trained personnel. Holders of licentiate and doctor degrees get the best jobs.

The following are the Universities and they usually have faculties of Law, Philosophy, Arts, Social Sciences, Natural Science and Medicine.

UNIVERSITY OF UPPSALA

(UPPSALA UNIVERSITET)

UPPSALA, SWEDEN

UNIVERSITY OF LUND

(LUNDS UNIVERSITET)

LUND, SWEDEN

UNIVERSITY OF STOCKHOLM

(STOCKHOLM HÖGSKOLA)

STOCKHOLM, SWEDEN

UNIVERSITY OF GOTHENBURG

(GÖTEBORGS HÖGSKOLA)

The Colleges include as follows :

The School of Economics, Stockholm

The School of Economics, Gothenburg

The Institute of Technology, Stockholm

The Institute of Technology, Gothenburg

The Institute of Dentistry, Malmö



The Institute of Dentistry, Stockholm
The Institute of Veterinary Science, Stockholm
The Institute of Pharmacy, Stockholm
The Institute of Forestry, Stockholm
The Institute of Agriculture, Uppsala
The Alnarp Institute of Agriculture, Lund

SWITZERLAND



General Information

Switzerland is the most mountainous and famous for its lakes and beauty of all the countries in the Central Europe. Geneva is perhaps the international capital though Berne is its capital.

It is bounded by Germany on the North, by Italy on the South, the West by France and by Italy and Austria on the east. German, French and Italian are the languages spoken in Switzerland.

It is a federal republic and the Swiss Confederation consists of 22 sovereign cantons, each of which has a veto power over federal legislation by referendum. The President of the federal is elected for one year.

The academic year begins in early October and the year is divided into two semesters. The Universities and institutions are in the German and French speaking areas of Switzerland and there is no University in the Italian speaking parts of it.

The minimum entry age is 18 before a student may be admitted to a Swiss University after passing the Matriculation or the School leaving certificate.

The Diploma (Licentiate) is the usual conclusion of a particular course and the duration of the course is of $3\frac{1}{2}$ to 4 years according to the course and Medical study on an average takes 6 to $6\frac{1}{2}$ years, and the degree of Doctor is awarded for successful special scientific research work, 2 years after the diploma.

The Swiss Medical Schools and Science institutes require high scholastic attainments for admission. A student requires about S. Fr. 1000 to cover fees, maintenance and other incidental expenses per annum. There is no hall of residence at Swiss Universities but they have Cheap Canteens. List of rooms with or without board are available at the Registrar's Office of Universities or local Tourist Offices. Meals at reduced prices are available at some restaurants catering to students.

In all the cities of Switzerland, there are small shops where things are cheaper. There are also large departmental stores where everything you need is available.

There are buses, trollies and trams and taxis, of course, but they carry only 4 passengers and their fares are higher after 7 in the evening.

The following are the Universities and institutes where every field of education is available.

Schools of theology are not included.

German language is the medium of instruction.

UNIVERSITY OF BASLE

BASLE, SWITZERLAND

There are institutes of Medicine and Surgery (all branches), Dentistry, Astronomy and Meteorology, Colour Chemistry, Chemical Physics, Applied Chemistry, Pharmaceutical institute, Mineralogy and Petrography, Geography, Botany, Zoology, Law, Politics, Geology, History, etc.



UNIVERSITY OF BERNE

BERNE, SWITZERLAND

There are institutes of Business Management, Research in Tourism, Medicine (all fields), Astronomy, Chemistry, Biology, Zoology, Mineralogy and Petrography, Geology, Geography, Dentistry, Veterinary, Physical Institute, Mathematics, History, Economics, Art, Music, Philosophy, Philology, Law, Archive, etc.

UNIVERSITY OF ZURICH

ZURICH, SWITZERLAND

There are institutes of medicine (all fields), Veterinary, Dentistry, Pharmacology, Mathematics, Physics, Law, Chemistry, Geography, Botany, Anthropology, Geology, Zoology, Philosophy, Psychology, Sociology, History, Music, Astronomy, Philology, Mineralogy, etc.

FEDERAL INSTITUTE OF TECHNOLOGY

ZURICH, SWITZERLAND

It has the following faculties—Agriculture, Engineering (Civil, Electrical, Mechanical), Architecture, Chemistry, Pharmacy, Forestry, Mathematics, Physics, Natural Science and Military Science, Metallurgy, Aerostatics and Aircraft Mechanics, Rural Engineering and Surveying, Town Planning, Meteorology, Reactor Technology, etc.

The institutes include Philosophical and Political Science (Languages, History, Art), Archive, Geophysics, Industrial Engineering, Photogrammetry, Cartography, Soil Science, Machine Tools, Photo-Elastic, Biochemistry, Telecommunications, High Tension Engineering, Acoustics, Pharmacology, Geology, Geography, Mineralogy, Botany, Zoology, Dairy Technology, Farm Managements, etc.

SCHOOL OF ECONOMICS AND PUBLIC ADMINISTRATION

ST. GALL, SWITZERLAND

The institutes include Foreign Trade and Marketing, Public Administration, Industrial Economics, Insurance Economics, Research in Agricultural Economics, and Land Law, Business Administration.

Here French language is the medium of instruction.

UNIVERSITY OF GENEVA

GENEVA, SWITZERLAND

The faculties include Economics and Social Sciences, Arts and Letters, Medicine, Dentistry, Law, Botany, etc. There are the following schools—



Interpreters, Higher Commercial Studies, Graduate Institute of International Studies, Political Science, Architecture, Graduate Institute of Transportation and Maritime Administration, Physics, Forensic Medicine, etc.

UNIVERSITY OF LAUSANNE

LAUSANNE, SWITZERLAND

The faculties include Law, Medicine, Letters and Sciences.

There are schools of Pharmacy, Social and Political Science, Higher Commercial Studies, Criminology, etc.

INSTITUTE OF TECHNOLOGY

LAUSANNE, SWITZERLAND

This institute is state organised and is self-governed and is within the University of Lausanne.

It has the following divisions—School of Engineering, School of Architecture, Chemistry, Physics, Geology, Mineralogy and Geophysics, Zoology, Botany, Pharmacy, Applied Mathematics, Photogrametry, and various research laboratories.

UNIVERSITY OF FRIBOURG

FRIBOURG, SWITZERLAND

The faculties include Jurisprudence (Law, Economics, Social Sciences), Philosophy (History, Philosophy, Languages, etc.), and Natural Sciences.

There are the following institutes—Economics and Social Sciences, International Institute of Social and Political Science, Institute of Education and Experimental Psychology, English, French, Physics, Chemistry, Geology, Botany, Mineralogy and Petrography, Biochemistry, Zoology, History, etc.

UNIVERSITY OF NEUCHÂTEL

NEUCHÂTEL, SWITZERLAND

The faculties include Jurisprudence, Philosophy and Science. As there is no medical faculty, Science faculty prepares students for preliminary diploma in medicine, pharmacy and dentistry. There is the department of Commercial Science, Political and Sociological Sciences, Law, Arts, etc.

There are institutes of Botany, Physics, Chemistry, Geology, Zoology, Psychology, Ethnology, etc.

USSR

Union of Soviet Socialistic Russia

No Indian Student is allowed to go to Russia for studies on his own expenses. Only students selected by the Government of India are sent there for studies or training through the Government of Russia.

The Government of Russia offers a number of Scholarships through the Government of India in various faculties and students are to apply to 'Scholarship Division,' Ministry of Education, New Delhi.

The medium of instruction is Russian. The academic year starts usually in September/October and ends in April/May.

The period of School education is 10 years in Russia and the University courses take 4 years to complete in any faculty except Medicine which is of 5 years duration.

An Indian student after completing his secondary education is eligible to be enrolled as a 1st-year student in any University after his Scholastic level has been verified.

There are a number of Universities and Institutes of higher specialized education in various fields including the Moscow State University, and the recently set up Lumumba Friendship University.

The Friendship University has the following faculties including specialized courses :—

Agriculture—Agronomy, Livestock raising

Economics and Law—Economics and Planning of the National Economy, International Law.

Engineering—Erection and Operation of Machinery, Construction, Mining and use of minerals.

Medicine—Therapy and Pharmaceutics

Physico-Mathematical-Natural Sciences—Mathematics, Physics, Chemistry, Biology.

History-Philology—History, Literature, Russian Language.

Students of Asia, Africa and Latin America under 35 years of age irrespective of sex are eligible for admission to this Friendship University. Students who do not know the Russian language may be admitted in the preparatory faculty for a period of up to one year.

YUGOSLAVIA

General Information

Yugoslavia is in the Central Europe. It is now a Socialist Federal Republic. There are no less than 12 languages of which 3 are spoken by the majority people. The languages are Czech, Slovak, Bulgarian, Hungarian, Ruthenian, Italian, Rumanian, etc., and the working languages are Serbo-Croatian, Macedonian and Slovenian. Belgrade is the Capital City.

School education is of 8 years duration plus another 3 years (Higher School) leading to graduation. Students are to take entrance examination for admission to a University. University courses range from 3 to 5 years according to the subject pursued and lead to the Magister (the first degree) and it takes further two years for higher specialization or research. There is no such research degree like Ph.D. or D.Sc. to be added after one's name. This higher academic work is called—'Specialist's diploma.' University study is divided into first three level of studies. Tuition fees are not charged by all Institutions of higher education or Universities in Yugoslavia. There are now-a-days Students' hostels and canteens.

The Government of Yugoslavia offers Scholarships to foreign students but they are to attend language courses during the first three months of their stay in Yugoslavia.

There are now six Universities in Yugoslavia (Belgrade, Zagreb, Ljubljana, Sarajevo, Skopje and Novi Sad) and they have almost all faculties. There are also advanced Schools and Academies.
